MHD Trading & Services Co.,Ltd
MECHANICAL & ELECTRICAL PRODUCTS

PRODUCT CATALOGUE

Quality is key for long term success



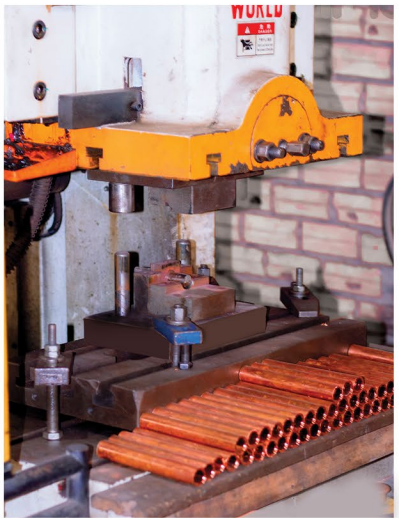
mhdvietnam.com

Updated:
31.03.2025











ABOUT US

Firstly, on behalf of MHD Group, we would like to send our respectful greetings, good health, successful to all valued customers, partners for your kind attention and cooperation.

We are MHD Trading & Services Co., Ltd, one of the large-scale direct industrial electrical equipment manufacturer & supplier, more than 10 years of industry experience.

We currently own head factory in China and a factory in Vietnam, specializing in manufacturing industrial electrical accessories; In addition to MHD brand, we are also a skilled OEM manufacturer, our product is the integration of many brands with various designs, competitive prices and manufactured on automated lines, with Certificates such as RoHS and CE can achieve the strict standards of fastidious markets like Singapore, Russia, and Portugal. Besides, we also set our goal to research and improve product quality to achieved UL certification response for the world's most demanding market, the USA in 2020.

Base on the abilities as well as the experiences in the market, we hope that your company will have more choices so that MHD Group has more opportunities to accompany for a long-term.

We are strongly sending the commitment of providing a reasonable discount, flexible import form, stable quality when you join the chain of products and services of MHD Group.









6 REASONS TO CHOOSE MHD

PRESTIGE BRANDS

During many years of operation, MHD brand is always associated with quality, products distributed by MHD are always trusted by electricians, engineers and M&E contractors.

BENEFITS OF CUSTOMERS SERVICES

Customers benefit from discount programs, attractive discounts, attentive after-sales servis, support for exchanging and free shipping within the city.

RICH CARGO RESERVES

Many items are available in Vietnam in large quantities, response customer needs.

INTERNATIONAL CERTIFICATION

CE, RoHS, ISO, UL & Quatest3 certification

DIVERSE PRODUCTS

The variety of species is also the strength of MHD Group. Products ensure uniformity in quality, design, material, style and thickness convenient for construction,...

SMART CUSTOMERS

In the future, MHD's customers will be the smartest and most modern customers when they have access to modern sale models developed by MHD Group engineers.

Certificate & Certification

CE - UL - RoHS - Quatest3 - ISO











CE UL RoHS QUATEST3 9001:2015









MHD PROJECTS

THERMAL POWER PROJECT


DUYEN HAI THERMAL POWER


PHU MY THERMAL POWER


VUNG ANG 1 THERMAL


SONG HAU THERMAL POWER


NGHI SON REFINERY

FACTORY PROJECT



SAMSUNG FACTORY


COCACOLA FACTORY


DAM CA MAU FACTORY

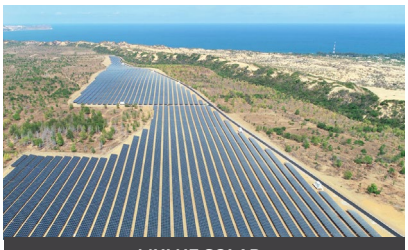


HENIKEN FACTORY


VINAMILK FACTORY

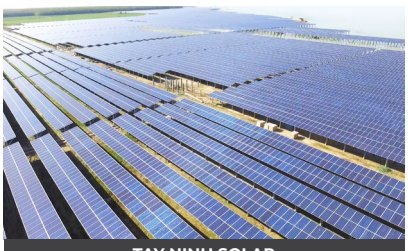

P&G FACTORY

SOLAR PROJECT


MUI NE SOLAR


PHU MY SOLAR


DAU TIENG SOLAR


TAY NINH SOLAR


LONG AN SOLAR

MHD PROJECTS

COMMERCIAL BUSINESS PROJECT



BITEXCO


VINHOME GRAND PARK Q9


MASTERY THAO DIEN


SALA ĐẠI QUANG MINH



ESTELLA AN PHU

BUILDING PROJECT


SAIGON CENTRE


SALA CITY


FLC GRAND HOTEL HALONG


SUNNY PLAZA


THUAN KIEU PLAZA

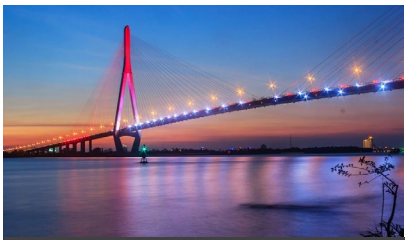
INFRASTRUCTURE PROJECT


TAN SON NHAT AIRPORT


METRO RAILWAY


THU THIEM TUNNEL


NOI BAI RPORT


CAN THO BRIDGE

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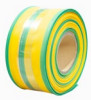

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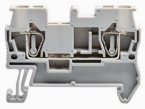

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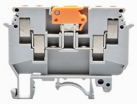

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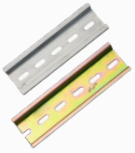

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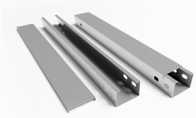

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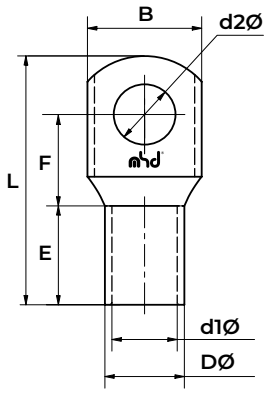


Material: Copper tube (Cu) >= 99.9% **Surface:** Tin plated **Range size (mm²):** 1.5-1000

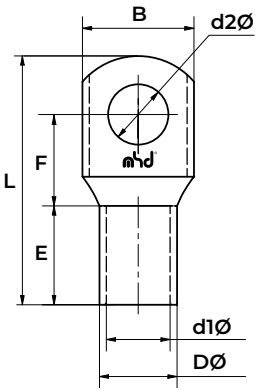
No.	Product Code	Dimension (mm)							Thickness (mm)	Weight (g)
		d2Ø	d1Ø	DØ	B	E	F	L		
1	TL2.5-4	4.2	2.4	3.9	8	7	7	20	0.75	1.20
	TL2.5-5	5.2			10					
	TL2.5-6	6.2								
2	TL4-4	4.2	2.8	4.5	10	7	8	20	0.85	1.70
	TL4-5	5.2								
	TL4-6	6.2								
	TL4-8	8.2			12.5					
3	TL6-4	4.2	3.8	5.5	10	9.5	9	23.5	0.85	2.42
	TL6-5	5.2								2.32
	TL6-6	6.2								2.17
	TL6-8	8.2			12.5			27		1.83
	TL6-10	10.2			15					1.42
4	TL10-4	4.2	4.5	6.2	10	9	10	25	0.85	2.94
	TL10-5	5.2								2.84
	TL10-6	6.2								2.69
	TL10-8	8.2			12.5			27		2.35
	TL10-10	10.2			15					1.94
5	TL16-5	5.2	5.4	7.1	10	12	9.9	28	0.85	4.10
	TL16-6	6.2			10	12	9.9	28		3.95
	TL16-8	8.2			12.5	12	10.75	31		3.61
	TL16-10	10.2			15	12	10.75	30		3.20
	TL16-12	12.5			16.5	11.85	13.45	35.5	1.05	2.60
6	TL25-5	5.2	6.8	8.8	12.5	12.5	11.9	30	1.0	6.53
	TL25-6	6.2			12.5	12.5	11.9	30		6.40
	TL 25-8	8.2			13.2	12.5	11.9	33		6.00
	TL25-10	10.2			15.5	12.5	13.45	35		5.50
	TL25-12	12.5			17	12.5	13.45	35		4.8

Material: Copper tube (Cu) >= 99.9% **Surface:** Tin plated **Range size (mm²):** 1.5-1000

No.	Product Code	Dimension (mm)							Thickness (mm)	Weight (g)
		d2Ø	d1Ø	DØ	B	E	F	L		
7	TL35-5	5.5	8.2	10.6	15	14.5	13.25	35	1.2	11.06
	TL35-6	6.5			15	14.5	13.25	36		10.9
	TL35-8	8.5			15	14.5	13.25	36		10.5
	TL35-10	10.5			18	14.5	14.25	38		9.8
	TL35-12	12.5			18.5	14.5	14.25	38		9
	TL35-14	14.5			19	14.5	14.25	38		8.1
8	TL50-6	6.5	9.5	12.4	18	16	17	43	1.45	18.06
	TL50-8	8.5			18	18.5	16.25	45		17.5
	TL50-10	10.5			18	18.5	16.25	45		16.7
	TL50-12	12.5			19	16	17	45		15.8
	TL50-14	15			21	16	17	45		14.4
9	TL70-6	6.5	11.2	14.7	21	18	20	48	1.75	30.3
	TL70-8	8.5			21	20.5	17.25	48		29.6
	TL70-10	11			21	20.5	17.25	48		28.7
	TL70-12	12.5			21	20	19.25	51.5		27.6
	TL70-14	15			23	20	19.25	51.5		25.9
	TL70-16	17			24	18	20	48		24.4
10	TL95-6	6.5	13.5	17.4	25.5	20	22	54	1.95	44.7
	TL95-8	8.5			25.5	23.5	20.25	55		43.9
	TL95-10	10.5			25.5	23.5	20.25	55		42.9
	TL95-12	13			25.5	23	22.25	58.5		41.3
	TL95-14	15			25.5	23	22.25	58.5		39.8
	TL95-16	17			25.5	20	22	54		38.1
11	TL120-6	6.5	15	19.4	28	24	24	61	2.2	63.6
	TL120-8	8.5			28	26.5	22.25	61		62.7
	TL120-10	10.5			28	26.5	22.25	61		61.6
	TL120-12	13			28	26.5	22.25	61		59.8
	TL120-14	15			28	24	24	61		58.1
	TL120-16	17			28	24	24	61		56.2
12	TL150-6	6.5	16.5	21.2	30.5	26	27	68	2.35	83.1
	TL150-8	8.5			31	29	24.75	68		82.2
	TL150-10	10.5			31	29	24.75	68		81
	TL150-12	13			31	29	24.75	68		79.1
	TL150-14	15			31	27	24.75	68		77.2
	TL150-16	17			31	27	24.75	68		75.2







Material: Copper tube (Cu) >= 99.9% **Surface:** Tin plated **Range size (mm²):** 1.5-1000

No.	Product Code	Dimension (mm)							Thickness (mm)	Weight (g)
		d2Ø	d1Ø	DØ	B	E	F	L		
13	TL185-6	6.5	18.5	23.5	34	32	29	78	2.5	111.7
	TL185-8	8.5			34	35.5	27.25	78		110.7
	TL185-10	10.5								109.4
	TL185-12	13								107.4
	TL185-14	15			34	32	29	78		105.4
	TL185-16	17			34	32	29	78		103.3
14	TL240-6	6.5	21	26.5	38.5	38	34	90	2.75	164.5
	TL240-8	8.5								163.4
	TL240-10	10.5								161.9
	TL240-12	13								159.7
	TL240-14	15								157.6
	TL240-16	17								155.1
	TL240-18	19								152.4
	TL240-20	21								149.4
15	TL300-8	8.5	23.5	30	43.5	42	37	101	3.25	239.6
	TL300-10	10.5								237.9
	TL300-12	13								235.2
	TL300-14	15								232.7
	TL300-16	17								229.9
	TL300-18	19								226.6
	TL300-20	21								223
16	TL400-12	13	28.5	36.5	53	44	44	113	4	400.4
	TL400-14	15								397.3
	TL400-16	17								393.7
	TL400-18	19								389.7
	TL400-20	21								385.3
	TL400-22	23								380.5

Material: Copper tube (Cu) >= 99.9% **Surface:** Tin plated **Range size (mm²):** 1.5-1000

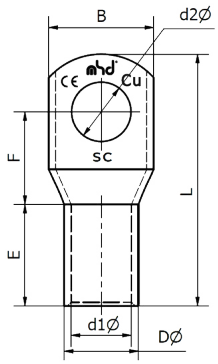
No.	Product Code	Dimension (mm)							Thickness (mm)	Weight (g)
		d2Ø	d1Ø	DØ	B	E	F	L		
17	TL500-12	13	30	39	56	48	48	124	4.5	547.5
	TL500-14	15								544
	TL500-16	17								540
	TL500-18	19								535.6
	TL500-20	21								530.6
	TL500-22	23								525.1
18	TL630-12	13	34.5	44	63.5	52	51	130	4.75	659
	TL630-14	15								655.2
	TL630-16	17								651
	TL630-18	19								646.3
	TL630-20	21								641
	TL630-22	23								635.3
19	TL800-14	15	40	51.2	74	54	56	140	5.6	971
	TL800-16	17								966
	TL800-18	19								960.5
	TL800-20	21								954.3
20	TL1000-14	15	44	56.6	81.5	60	56	146	6.3	1,259.40
	TL1000-16	17								1,253.90
	TL1000-18	19								1,247.60
	TL1000-20	21								1,240.60
	TL1000-22	23								1,240.60

CRIMPING TOOLS

Item size (mm²)	1.25 - 8	1.25 - 16	5.5 - 25	5.5 - 38	8-300
Tools	 LS-8	 LS-16	 LS-22	 LS-38	 YQK-300







Material: Copper tube (Cu) >= 99.9% **Surface:** Tin plated **Range size (mm²):** 1.5-1000

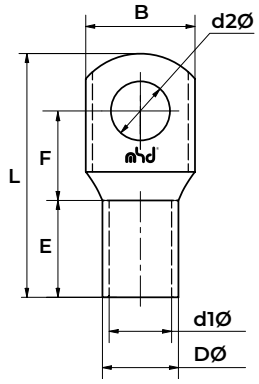
No.	Product Code	Dimension (mm)							Thickness (mm)	Weight (g)
		d2Ø	d1Ø	DØ	B	E	F	L		
1	SC2.5-4	4.2	2.4	3.9	8	7	7	20	0.5	0.84
	SC2.5-5	5.2			10					
	SC2.5-6	6.2								
2	SC4-4	4.2	2.8	4.5	10	7	8	20	0.65	1.38
	SC4-5	5.2								
	SC4-6	6.2								
	SC4-8	8.2			12.5					
3	SC6-4	4.2	4.1	5.5	10	9	9	24	0.7	1.63
	SC6-5	5.2								1.6
	SC6-6	6.2								1.48
	SC6-8	8.2			12			27		1.45
	SC6-10	10.2			15					1.43
4	SC10-4	4.2	4.6	6.2	10	9	10	25	0.8	2.81
	SC10-5	5.2			10					2.71
	SC10-6	6.2			10					2.65
	SC10-8	8.2			12.5			27		2.62
	SC10-10	10.2			15					2.59
5	SC16-5	5.2	5.5	7.1	10	12	9.9	28	0.8	3.91
	SC16-6	6.2			10	12	9.9	28		3.85
	SC16-8	8.2			12.5	12	10.75	31		3.82
	SC16-10	10.2			14.5	12	10.75	31		3.79
6	SC25-5	5.2	7	8.8	12.5	12.5	11.9	30	0.9	6.09
	SC25-6	6.2			12.5	12.5	11.9	30		5.97
	SC25-8	8.2			13.2	12.5	11.9	33		5.83
	SC25-10	10.2			15.5	12.5	13.45	35		5.8
	SC25-12	12.2			17	12.5	13.45	35		5.8

Material: Copper tube (Cu) >= 99.9% **Surface:** Tin plated **Range size (mm²):** 1.5-1000

No.	Product Code	Dimension (mm)							Thickness (mm)	Weight (g)
		d2Ø	d1Ø	DØ	B	E	F	L		
7	SC35-5	5.5	8.6	10.6	15	14.5	13.25	35	1.0	9.43
	SC35-6	6.5			15	14.5	13.25	36		9.27
	SC35-8	8.5			15	14.5	13.25	36		8.9
	SC35-10	10.5			18	14.5	14.25	38		8.6
	SC35-12	12.5			18.5	14.5	14.25	38		8.6
	SC35-14	14.5			19	14.5	14.25	38		8.6
8	SC50-6	6.5	10	12.4	18	16	17	43	1.2	15.37
	SC50-8	8.5			18	18.5	16.25	45		14.9
	SC50-10	10.5			18	18.5	16.25	45		14.3
	SC50-12	12.5			19	16	17	45		14.1
	SC50-14	15			21	16	17	45		14.1
9	SC70-6	6.5	11.9	14.7	21	18	20	48	1.4	24.96
	SC70-8	8.5			21	20.5	17.25	48		24.4
	SC70-10	10.5			21	20.5	17.25	48		23.7
	SC70-12	12.5			21	20	19.25	51.5		22.7
	SC70-14	15			23	20	19.25	51.5		21.4
	SC70-16	17			24	18	20	48		21.4
10	SC95-6	6.5	14.2	17.4	25.5	20	22	54	1.6	37.55
	SC95-8	8.5			25.5	23.5	20.25	55		36.92
	SC95-10	10.5			25.5	23.5	20.25	55		36.1
	SC95-12	13			25.5	23	22.25	58.5		34.7
	SC95-14	15			25.5	23	22.25	58.5		33.5
	SC95-16	17			25.5	20	22	54		32.1
11	SC120-6	6.5	15.8	19.4	28	24	24	61	1.8	53.3
	SC120-8	8.5			28	26.5	22.25	61		52.63
	SC120-10	10.5			28	26.5	22.25	61		51.6
	SC120-12	13			28	26.5	22.25	61		50.1
	SC120-14	15			28	24	24	61		48.7
	SC120-16	17			28	24	24	61		-
12	SC150-8	8.5	17.4	21.2	31	29	24.75	68	1.9	68.24
	SC150-10	10.5			31	29	24.75	68		67.1
	SC150-12	13			31	29	24.75	68		65.6
	SC150-14	15			31	27	24.75	68		64.1
	SC150-16	17			31	27	24.75	68		62.4







Material: Copper tube (Cu) >= 99.9% **Surface:** Tin plated **Range size (mm²):** 1.5-1000

No.	Product Code	Dimension (mm)							Thickness (mm)	Weight (g)
		d2Ø	d1Ø	DØ	B	E	F	L		
13	SC185-6	6.5	19.1	23.5	34	32	29	78	2.2	99.84
	SC185-8	8.5			34	35.5	27.25	78		98.96
	SC185-10	10.5								97.7
	SC185-12	13								95.9
	SC185-14	15			34	32	29	78		94.2
	SC185-16	17			34	32	29	78		92.3
14	SC240-6	6.5	21.9	26.5	38.5	38	34	90	2.3	140.3
	SC240-8	8.5								139.3
	SC240-10	10.5								138.1
	SC240-12	13								128.6
	SC240-14	15								125.2
	SC240-16	17								127.8
	SC240-18	19								130.2
	SC240-20	21								127.6
15	SC300-8	8.5	24.6	30	43.5	42	37	101	2.7	203.1
	SC300-10	10.5								204.4
	SC300-12	13								187.2
	SC300-14	15								184.2
	SC300-16	17								190.4
	SC300-18	19								192.3
	SC300-20	21								189.4
16	SC400-12	13	29.9	36.5	53	44	44	113	3.3	337.6
	SC400-14	15								325.8
	SC400-16	17								322.4
	SC400-18	19								328.9
	SC400-20	21								325.2
	SC400-22	23								321.2

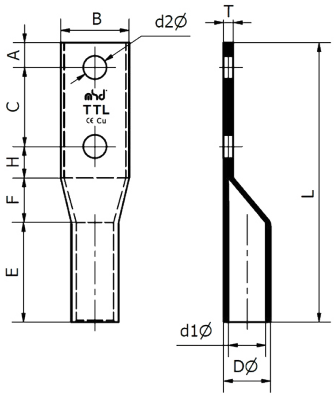
Material: Copper tube (Cu) >= 99.9% **Surface:** Tin plated **Range size (mm²):** 1.5-1000

No.	Product Code	Dimension (mm)							Thickness (mm)	Weight (g)
		d2Ø	d1Ø	DØ	B	E	F	L		
17	SC500-12	13	31.8	39	56	48	48	124	3.6	428.5
	SC500-14	15								425.7
	SC500-16	17								422.5
	SC500-18	19								418.9
	SC500-20	21								414.9
	SC500-22	23								410.6
18	SC630-12	13	36	44	63.5	52	51	130	4	565.7
	SC630-14	15								562.6
	SC630-16	17								559
	SC630-18	19								555
	SC630-20	21								550.6
	SC630-22	23								545.8
19	SC800-14	15	41.6	51.2	74	54	56	140	4.8	847.1
	SC800-16	17								842.8
	SC800-18	19								838
	SC800-20	21								832.8
20	SC1000-14	15	46.6	56.6	81.5	60	56	146	5	1,425.30
	SC1000-16	17								1,420.80
	SC1000-18	19								1,415.80
	SC1000-20	21								1,410.30
	SC1000-22	23								1,410.30

CRIMPING TOOLS

Item size (mm²)	1.25 - 8	1.25 - 16	5.5 - 25	5.5 - 38	8-300
Tools	 LS-8	 LS-16	 LS-22	 LS-38	 YQK-300





Permited crimp in larger size for additional assurance on heary duty load suitable for terminating cable size from 10 to 1000 SQ.MM.12-35kv.
Material: Copper tube (Cu) >= 99.9%up
Surface: Tin plated
Range size (mm²): 10-1000

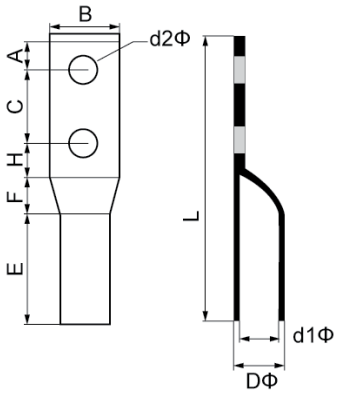
Material: Copper tube (Cu) >= 99.9% **Surface:** Tin plated **Range size (mm²):** 10-1000

Product Code	Dimension (mm)										Thickness (mm)
	d2Ø	d1Ø	DØ	A	B	C	E	F	H	L	
TTL10-6	6.4	4.5	6.2	9.5	12	15.8	21.5	7.4	11.5	65.7	0.85
TTL10-8	8.4										
TTL16-6	6.4	5.4	7.1	9.5	12	15.8	25	7.4	11.5	69.2	0.85
TTL16-8	8.4										
TTL25-6	6.4	6.8	8.8	11.5	15	15.8	28.5	7.4	13.5	76.7	1
TTL25-8	8.4										
TTL25-10	10.5										
TTL35-6	6.4	8.2	10.6	11.5	17	19	32	8	13.5	84.0	1.2
TTL35-8	8.4										
TTL35-10	10.5										
TTL50-8	8.5	9.5	12.4	11.5	19	22.7	35	10.9	13.5	93.6	1.45
TTL50-10	10.5										
TTL50-12	13.0			13.5		44.4			15.5	119.3	
TTL50-14	15										
TTL50-16	17										
TTL70-8	8.5	11.2	14.7	11.5	21	44.4	35	10.9	13.5	93.6	1.75
TTL70-10	10.5										
TTL70-12	12.5			13.5					17.5	121.3	
TTL70-14	15										
TTL70-16	17				24						
TTL95-8	8.5	13.5	17.4	13.5	25.5	44.4	38	15.8	17.5	129.2	1.95
TTL95-10	10.5										
TTL95-12	13										
TTL95-14	15										
TTL95-16	17										

Material: Copper tube (Cu) >= 99.9% **Surface:** Tin plated **Range size (mm²):** 10-1000

Product Code	Dimension (mm)										Thickness (mm)
	d2Ø	d1Ø	DØ	A	B	C	E	F	H	L	
TTL120-8	8.5	15	19.4	14.5	28	44.4	40	18.8	18.5	136.2	2.2
TTL120-10	10.5										
TTL120-12	13										
TTL120-14	15										
TTL120-16	17										
TTL150-10	10.5	16.5	21.2	16.5	30.5	44.4	50	19.8	20.5	151.2	2.35
TTL150-12	13										
TTL150-14	15										
TTL150-16	17										
TTL185-12	13	18.5	23.5	16.5	34	44.4	50	19.8	20.5	151.2	2.5
TTL185-14	15										
TTL185-16	17										
TTL185-18	19										
TTL185-20	21										
TTL240-12	13	21	26.5	16.5	38.5	44.4	56	24.8	20.5	162.2	2.75
TTL240-14	15										
TTL240-16	17										
TTL240-18	19										
TTL240-20	21										
TTL300-12	13	23.5	30	16.5	43.5	44.4	67	26.8	20.5	175.2	3.25
TTL300-14	15										
TTL300-16	17										
TTL300-18	19										
TTL300-20	21										
TTL400-12	13	28.5	36.5	16.5	53	44.4	67	26.8	20.5	175.2	4
TTL400-14	15										
TTL400-16	17										
TTL400-18	19										
TTL400-20	21										
TTL400-22	23										
TTL500-12	13	30	39	16.5	56	44.4	75	33.8	20.5	190.2	4.5
TTL500-14	15										
TTL500-16	17										
TTL500-18	19										
TTL500-20	21										
TTL500-22	23										





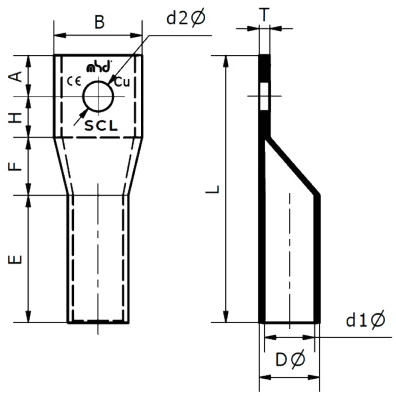
Material: Copper tube (Cu) >= 99.9% **Surface:** Tin plated **Range size (mm²):** 10-1000

Product Code	Dimension (mm)										Thickness (mm)
	d2Ø	d1Ø	DØ	A	B	C	E	F	H	L	
TTL630-12	13	34.5	44	16.5	63.5	44.4	80	37.8	20.5	199.2	4.75
TTL630-14	15										
TTL630-16	17										
TTL630-18	19										
TTL630-20	21										
TTL630-22	23										
TTL800-14	15	40	51.2	16.5	74	44.4	85	41.8	25.5	213.2	5.6
TTL800-16	17										
TTL800-18	19										
TTL800-20	21										
TTL1000-14	15	44	56.6	16.5	81.5	44.4	90	45	30.5	226.4	6.3
TTL1000-16	17										
TTL1000-18	19										
TTL1000-20	21										

CRIMPING TOOLS

Item size (mm2)	1.25 - 8	1.25 - 16	5.5 - 25	10 - 35	8-300
Tools	 LS-8	 LS-16	 LS-22	 LS-38	 YQK-300





Has provide machanical strength for heavy duty applicationsSuitable use with cable size from 10 to 1000 SQ.MM.12-35KV.

Material: Copper tube (Cu) >= 99.9%

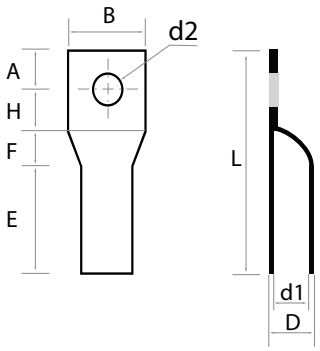
Surface: Tin plated

Range size (mm²): 10-1000

Product Code	Dimension (mm)									Thickness (mm)	Weight (g)
	d2	d1	D	A	B	E	F	H	L		
SCL10-6	6.2	4.6	6.2	7.5	12	21.5	7.4	9.5	45.9	0.8	5.15
SCL10-8	8.2										5.12
SCL10-10	10.2				14						5.09
SCL16-6	6.2	5.5	7.1	8	12	25	7.4	10	50.4	0.8	6.65
SCL16-8	8.2										6.62
SCL16-10	10.2				14						6.59
SCL16-12	12.2				16.5						6.57
SCL25-6	6.2	7	8.8	8.5	15	28.5	7.4	10.5	54.9	0.9	10.47
SCL25-8	8.2										10.33
SCL25-10	10.2										10.3
SCL25-12	12.2				16,5						10.3
SCL35-6	6.5	8.6	10.6	9	17	32	8	11	60	1	15.37
SCL35-8	8.5										15
SCL35-10	10.5										14.7
SCL35-12	12.5										14.7
SCL50-8	8.5	10	12.4	12.7	19	35	10.9	14.7	73.3	1.2	26.1
SCL50-10	10.5										25.5
SCL50-12	12.5										25.3
SCL70-8	8.5	11.9	14.7	13.9	21.0	35.0	10.9	17.9	77.7	1.4	38.7
SCL70-10	10.5										37
SCL70-12	12.5										45
SCL95-8	8.5	14.2	17.4	13.9	25.5	38.0	15.8	17.9	85.6	1.6	58.32
SCL95-10	10.5										57.50
SCL95-12	13.0										56.10
SCL95-14	15.0										54.90
SCL95-16	17.0										53.50







Material: Copper tube (Cu) >= 99.9% **Surface:** Tin plated **Range size (mm²):** 10-1000

Product Code	Dimension (mm)									Thickness (mm)	Weight (g)
	d2	d1	D	A	B	E	F	H	L		
SCL120-10	10.5	15.8	19.4	13.9	28	40	18.8	17.9	90.6	1.8	76.7
SCL120-12	13										75.2
SCL120-14	15										73.8
SCL120-16	17										72.2
SCL150-10	10.5	17.4	21.2	13.9	30.5	50	19.8	17.9	101.6	1.9	100.1
SCL150-12	13										98.6
SCL150-14	15										97.1
SCL150-16	17										95.4
SCL185-12	13	19.1	23.5	13.9	34	50	19.8	17.9	101.6	2.2	126.5
SCL185-14	15										124.8
SCL185-16	17										122.9
SCL185-18	19										120.6
SCL185-20	21										118.2
SCL240-12	13	21.9	26.5	15.9	38.5	56	24.8	19.9	116.6	2.3	174.1
SCL240-14	15										172.3
SCL240-16	17										170.3
SCL240-18	19										168
SCL240-20	21										165.4
SCL300-12	13	24.6	30	20	43	67	26.8	24	137.8	2.7	274.5
SCL300-14	15										272.4
SCL300-16	17										270
SCL300-18	19										267.3
SCL300-20	21										264.4

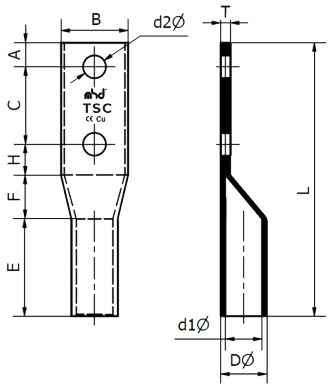
Material: Copper tube (Cu) >= 99.9% **Surface:** Tin plated **Range size (mm²):** 10-1000

Product Code	Dimension (mm)									Thickness (mm)	Weight (g)
	d2	d1	D	A	B	E	F	H	L		
SCL400-12	13	29.9	36.5	23	53	67	26.8	27	143.8	3.3	427.9
SCL400-14	15										425.3
SCL400-16	17										422.5
SCL400-18	19										419.2
SCL400-20	21										415.5
SCL400-22	23										411.5
SCL500-12	13	31.8	39	23	56	75	33.8	27	158.8	3.6	551.1
SCL500-14	15										548.3
SCL500-16	17										545.1
SCL500-18	19										541.5
SCL500-20	21										537.5
SCL500-22	23										533.2
SCL630-12	13	36	44	26	63.5	80	37.8	30	173.8	4	759.5
SCL630-14	15										756.4
SCL630-16	17										752.8
SCL630-18	19										748.8
SCL630-20	21										744.4
SCL630-22	23										739.6
SCL800-14	15	41.6	51.2	29	74	85	41.8	33	188.8	4.8	1147.6
SCL800-16	17										1143.3
SCL800-18	19										1138.5
SCL800-20	21										1133.3
SCL1000-14	15	46.6	56.6	31	81.5	90	45	36	202	5	1425.3
SCL1000-16	17										1420.8
SCL1000-18	19										1415.8
SCL1000-20	21										1410.3

CRIMPING TOOLS

Item size (mm2)	1.25 - 8	1.25 - 16	5.5 - 25	5.5 - 38	8-300
Tools	 LS-8	 LS-16	 LS-22	 LS-38	 YQK-300





Permited crimp in larger size for additional assurance on heary duty load suitable for terminating cable size from 95 to 1000 SQ.MM.12-35kv.
Material: Copper tube (Cu) >= 99.9%
Surface: Tin plated
Range size (mm²): 95-1000

Material: Copper tube (Cu) >= 99.9% **Surface:** Tin plated **Range size (mm²):** 95-1000

GXX

Product Code	Dimension (mm)									
	d2Ø	d1Ø	DØ	A	B	C	E	F	H	L
TSC95-8	8.5	14.2	17.4	13.9	25.5	44.4	38	15.8	17.9	130
TSC95-10	10.5									
TSC95-12	13									
TSC95-14	15									
TSC95-16	17									
TSC120-8	8.5	15.8	19.4	13.9	28	44.4	40	18.8	17.9	135
TSC120-10	10.5									
TSC120-12	13									
TSC120-14	15									
TSC120-16	17									
TSC150-10	10.5	17.4	21.2	13.9	30.5	44.4	50	19.8	17.9	146
TSC150-12	13									
TSC150-14	15									
TSC150-16	17									
TSC185-12	13	19.1	23.5	13.9	34	44.4	50	19.8	17.9	146
TSC185-14	15									
TSC185-16	17									
TSC185-18	19									
TSC185-20	21									
TSC240-12	13	21.9	26.5	13.9	38.5	44.4	56	24.8	17.9	157
TSC240-14	15									
TSC240-16	17									
TSC240-18	19									
TSC240-20	21									
TSC300-12	13	24.6	30	13.9	43.5	44.4	67	26.8	17.9	170
TSC300-14	15									
TSC300-16	17									
TSC300-18	19									
TSC300-20	21									

Material: Copper tube (Cu) >= 99.9% **Surface:** Tin plated **Range size (mm²):** 95-1000

GXX

Product Code	Dimension (mm)									
	d2Ø	d1Ø	DØ	A	B	C	E	F	H	L
TSC400-12	13	29.9	36.5	13.9	53	44.4	67	26.8	17.9	170
TSC400-14	15									
TSC400-16	17									
TSC400-18	19									
TSC400-20	21									
TSC400-22	23									
TSC500-12	13	31.8	39	13.9	56	44.4	75	33.8	17.9	185
TSC500-14	15									
TSC500-16	17									
TSC500-18	19									
TSC500-20	21									
TSC500-22	23									
TSC630-12	13	36	44	16.5	63.5	44.4	80	37.8	20.5	199.2
TSC630-14	15									
TSC630-16	17									
TSC630-18	19									
TSC630-20	21									
TSC630-22	23									
TSC800-14	15	41.6	51.2	16.5	74	44.4	85	41.8	25.5	213.2
TSC800-16	17									
TSC800-18	19									
TSC800-20	21									
TSC1000-14	15	46.6	56.6	16.5	81.5	44.4	90	45	30.5	226.4
TSC1000-16	17									
TSC1000-18	19									
TSC1000-20	21									

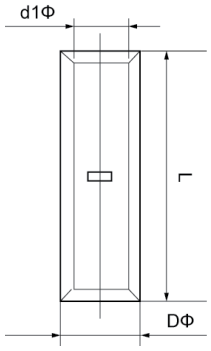
CRIMPING TOOLS

Item size (mm2)	1.25 - 8	1.25 - 16	5.5 - 25	10 - 35	8-300
Tools	 LS-8	 LS-16	 LS-22	 LS-38	 YQK-300

COPPER TUBE TERMINALS (SL)



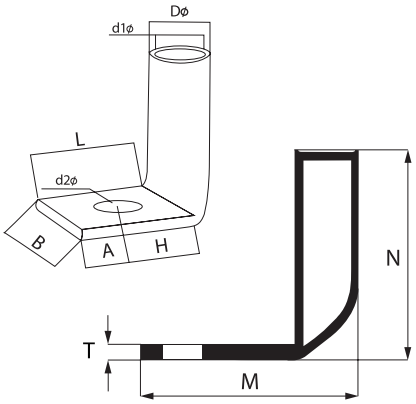




Material: Copper tube (Cu) >= 99.9% **Surface:** Tin plated **Range size (mm²):** 6-1000

Product Code	Dimension (mm)		
	d1Ø	DØ	L
SL6	3.8	5.5	24
SL10	4.5	6.2	25
SL16	5.4	7.1	33
SL25	6.8	8.8	33
SL35	8.2	10.6	38
SL50	9.5	12.4	46
SL70	11.2	14.7	53
SL95	13.5	17.4	58
SL120	15	19.4	63
SL150	16.5	21.2	72
SL185	18.5	23.5	82
SL240	21	26.5	96
SL300	23.5	30	105
SL400	28.5	36.5	105
SL500	30	39	105
SL630	34.5	44	120
SL800	40	51.2	140
SL1000	44	56.6	160



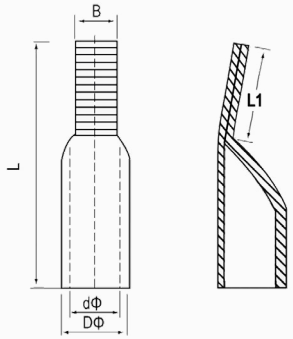


Suitable for use with cable size from 10-500 SQ.MM. In right angle position.
Material: Copper tube (Cu) >= 99.9%
Surface: Tin plated
Range size (mm²): 10-500

Product Code	Dimension (mm)									Thickness (mm)
	d2Ø	d1Ø	DØ	A	B	H	L	M	N	
HRS 10-8	8.2	4.6	6.2	7.5	12.0	9.5	17.0	24.4	28.9	0.8
HRS 16-8	8.2	5.5	7.1	8.0	12.0	10.0	18.0	25.4	32.4	0.8
HRS 25-8	8.2	7.0	8.8	8.5	15.0	10.5	19.0	26.4	35.9	0.90
HRS 35-8	8.5	8.6	10.6	9.0	17.0	11.0	20.0	28.0	40.0	1.00
HRS 50-8	8.5	10.0	12.4	12.7	19.0	14.7	27.4	38.3	45.9	1.20
HRS 70-8	8.5	11.9	14.7	13.9	21.0	17.9	31.8	42.7	45.9	1.4
HRS 70-10	11.0									
HRS 70-12	12.5									
HRS 95-10	10.5	14.2	17.4	13.9	25.5	17.9	31.8	47.6	53.8	1.60
HRS 120-10	10.5	15.8	19.4	13.9	28.0	17.9	31.8	50.6	58.8	1.8
HRS 120-12	13.0									
HRS 120-14	15.0									
HRS 150-12	13.0	17.4	21.2	13.9	30.5	17.9	31.8	51.6	69.8	1.9
HRS 150-14	15.0									
HRS 150-16	17.0									
HRS 185-12	13.0	19.1	23.5	13.9	34.0	17.9	31.8	51.6	69.8	2.2
HRS 185-14	15.0									
HRS 185-16	17.0									
HRS 240-12	13.0	21.9	26.5	15.9	38.5	19.9	35.8	60.6	80.8	2.3
HRS 240-14	15.0									
HRS 240-16	17.0									
HRS 300-12	13.0	24.6	30.0	20.0	43.0	24.0	44.0	70.8	93.8	2.7
HRS 300-14	15.0									
HRS 300-16	17.0									

PIN SHAPED NAKED TERMINAL (C45)





Material: Copper **Surface:** Tin plated **Range size (mm²):** 10-240

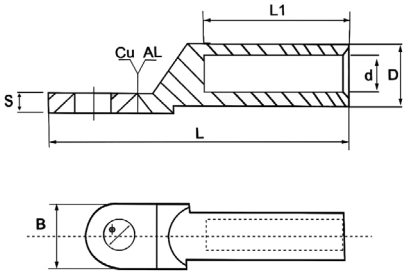
CE RoHS

Product Code	Dimension (mm)				
	DØ	dØ	L	L1	B
C45-10	6.5	5	28.3	10.5	5.5
C45-16	8.5	6	35	14	7
C45-25	10	7	36	14.5	7
C45-35	11	8	37	15	7
C45-50	13	10	41	15.5	7
C45-70	16	12	45	16	7
C45-95	18	14	50	18	9
C45-120	20	15	57	20	9
C45-150	22	17	67	24	9
C45-185	24	19	77	28	9
C45-240	26	21	85	31	9

CRIMPING TOOLS

Item size (mm2)	1.25 - 8	1.25 - 16	5.5 - 25	5.5 - 38	8-300
Tools	 LS-8	 LS-16	 LS-22	 LS-38	 YQK-300





Material: Copper & Aluminum
Range size (mm²): 10 – 1000 mm²

DTL-1 Bimetallic Lug is suitable for aluminum to copper terminations.

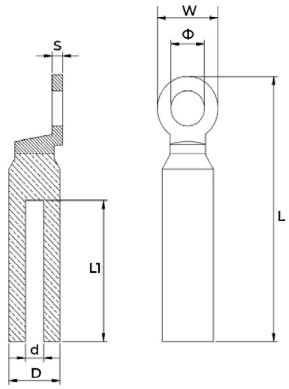
CE RoHS

Product Code	Dimension (mm)						
	Ø	D	d	L	L1	B	S
Good Type							
DTL1-10	8.5	11	6.4	69.5	38	16	2.7
DTL1-16	8.5	11	6.5	70	35	16	2.8
DTL1-25	8.5	12	7.5	75	40	18	3
DTL1-35	10.5	14	8.7	85	42	20	3.5
DTL1-50	10.5	16	9.5	90	43	23	3.7
DTL1-70	12.5	18	11.5	102	50	26	4.2
DTL1-95	12.5	21	13.5	112	55	28	4.6
DTL1-120	14.5	23	15.5	118	57	30	5.2
DTL1-150	14.5	25	16.7	126	58	34	5.7
DTL1-185	16.5	27	18.5	133	62	37	6.3
DTL1-240	16.5	30	21	140	65	40	6.8
DTL1-300	21	34	23.8	165	70	45	7.9
DTL-1-400	21	38	26	167	77	50	8
DTL-1-500	21	40	29	183	80	55	9
DTL-1-630	21	45	34	197	80	60	10
Normal Type							
DTL1-16	8.5	10	6.5	64	28	14.5	2
DTL1-25	8.5	11	7.2	68	28	16	2.2
DTL1-35	10.5	12	8.5	74	30	18	2.3
DTL1-50	10.5	14	9.5	80	39	20	2.6
DTL1-70	12.5	16	11.5	90	41.5	23	2.8
DTL1-95	12.5	18	13.5	98	44	26	3.2
DTL1-120	14.5	20	15.5	103	47	28	3.5
DTL1-150	14.5	22	16.7	112	48	30	3.8
DTL1-185	16.5	24	18.5	118	50	33	3.8
DTL1-240	16.5	28	21	130	56	35	4.5
DTL1-300	21	32	23	145	60	42	5.2
DTL-1-400	21	34	26	167	77	50	6
DTL-1-500	21	36	29	183	80	55	7
DTL-1-630	21	38	34	197	80	60	8









Material: Copper & Aluminum
Range size (mm²): 10 – 1000 mm²

DTL-2 Bimetallic Lug is suitable for aluminum to copper terminations.

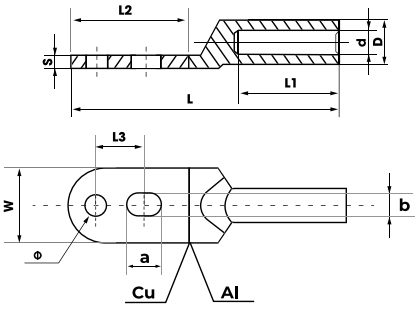
CE RoHS

Product Code	Dimension (mm)						
	Ø	D	d	L	L1	W	S
DTL2-16	11	16	6	80	40	20	3
DTL2-25	11		7	80	40	20	3
DTL2-35	11		8.5	80	40	20	3
DTL2-50	13	20	10	90	43	24	4.5
DTL2-70	13		11.5	90	43	24	4.5
DTL2-95	13		13.5	90	43	24	4.5
DTL2-120	13	25	15	115	59	30	5.5
DTL2-150	13		16.5	115	59	30	5.5
DTL2-185	13	32	18.5	122	60	35	6
DTL2-240	13		21	122	60	35	6
DTL2-300	13	34	23.5	128	65	35	6
DTL2-400	17	40	28	160	90	36	6
DTL2-500	17		30	160	102	36	6
DTL2-630	17	47	33.5	186	95	45	8.5
DTL2-800	19	60	38.5	240	110	80	10
DTL2-1000	19		43.5	240	110	80	10

BIMETALLIC LUGS 2 HOLE (DTLD)





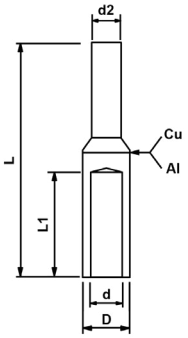


Material: Aluminum & Copper **Range size (mm²):** 16-500

Product Code	Dimension (mm)								
	Ø	D	d	L1	L	A	L2	L3	S
DTLD-25	8.5	11	7	33	93	20	44	20	2.5
DTLD-35	8.5	14	8.5	38	104	20	44	20	2.5
DTLD-50	10.6	16	9.7	47	111.7	23	52	20	3.4
DTLD-70	12.7	18	12	44	125.5	26	65	25	3.7
DTLD-95	12.7	21	13.6	56.3	139.4	28	65	25	4.2
DTLD-120	14.7	23	15.5	55.6	148.2	30	72	30	4.8
DTLD-150	14.7	25	16.8	60	153	34	70.4	30	5
DTLD-185	14.7	27	18.8	61	163	37	77	35	5.3
DTLD-240	14.7	30	21	67	170	40	80	35	5.5
DTLD-300	16.5	34	23.5	72	190	45	87	40	7
DTLD-400	16.5	38	26	75	195	50	87	40	7.2

PIN BIMETALLIC LUGS (D)





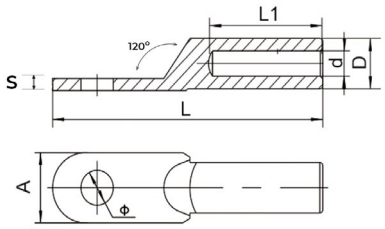
Material: Aluminum & Copper **Range size (mm²):** 10-70

Product Code	Dimension (mm)					Wire Square (mm²)
	D	d	L	L1	d2	
D-10	10	5.5	42	22	7	10
D-16	10	6.6	42	22	7	16
D-25	10	7.1	42	22	7	25
D-35	12	8.6	42	22	7	35
D-50	13	9.5	43	22	7	50
D-70	14	11.3	43	22	7	70



Tin Plated
type





Material: Copper tube (Cu) **Surface:** Tin plated **(customer requirements)** **Range size (mm²):** 10-630

Product Code	Dimension (mm)						
	Ø	D	d	L	L1	A	S
Good Type							
DT-10	8	8.8	6	63.8	31.8	15.8	2.1
DT-16		9.8	6.2	65	33	15.8	2.2
DT-25		10.8	7	70	38	17.8	2.3
DT-35	10	11.8	8.5	74.8	38.5	19.8	2.5
DT-50		13.8	10	86	41.8	23.8	3.1
DT-70	12	15.8	11.6	92.5	44.2	25.5	3.8
DT-95		17.8	13.3	102	50	27.8	4.3
DT-120	14	19.8	15	110	56	29.8	4.3
DT-150		22.2	17	116	55	33.8	5.0
DT-185	16	23.8	19.1	124	62.2	36.5	5.3
DT-240		25.8	21	135.6	63	39.8	6.0
DT-300	20	30	23.5	158	71.5	45	7.4
DT-400		34	26.5	158	72	49.8	7.0
DT-500		38	29	166	74	54.2	7.9
DT-630	20	45	34.2	203	78.6	59.8	9.8

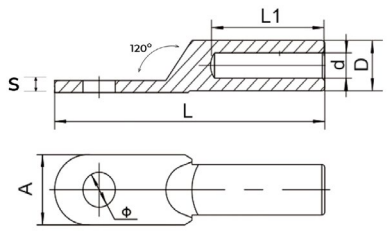
Dimensional Tolerance: ±1 (mm)

CABLE LUGS (DT)



Tin Plated
type





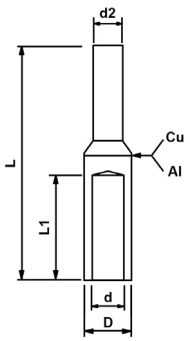
Material: Copper tube (Cu) **Surface:** Tin plated **(customer requirements)** **Range size (mm²):** 10-630

Product Code	Dimension (mm)						
	Ø	D	d	L	L1	A	S
Normal Type							
DT-10	8	7.7	6.2	57.7	28.2	13.8	1.7
DT-16		8.8	5.6	60.8	31	14.7	1.7
DT-25		9.8	7.8	64.2	33	15.8	1.7
DT-35	10	10.8	8.2	69.8	37	17.8	1.8
DT-50		12.8	10.8	74.6	37	19.8	2.2
DT-70	12	14.7	12	85.3	41.4	22.5	2.7
DT-95		16.7	13.2	93.8	46	25.8	3
DT-120	14	18.8	15.2	100.5	49	27.8	3
DT-150		20.8	18	106.2	52	29.9	3.6
DT-185	16	22.7	19	116	54	33.8	4
DT-240		25.8	21.4	118	51	35.8	4.2
DT-300	20	28.6	23	146	68.5	44.8	6.3

Dimensional Tolerance: ±1 (mm)

PIN BIMETALLIC LUGS (GTLC)



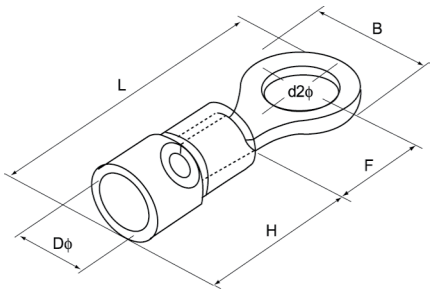


Material: Aluminum & Copper **Range size (mm²):** 10-70

Product Code	Dimension (mm)					Wire Square (mm²)
	D	d	L	L1	d2	
GTLC-10	10	5.5	42	22	7	10
GTLC-16	10	6.6	42	22	7	16
GTLC-25	10	7.1	42	22	7	25
GTLC-35	12	8.6	42	22	7	35
GTLC-50	13	9.5	43	22	7	50
GTLC-70	14	11.3	43	22	7	70





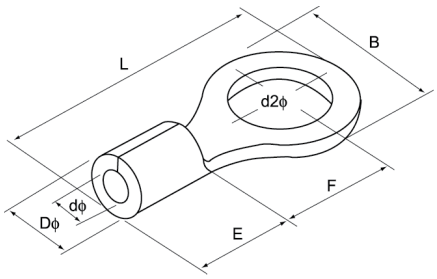


Material: Copper or brass (Cu 64-68%) **Insulation:** Vinyl **Plating:** Tin **Range size (mm²):** 0.5 - 6

Product Code	Din (mm²)	Dimension (mm)						
		d2Ø	B	L	F	H	Thickness	DØ
RV1.25-3	0.5-1.5	3.2	5.7	17.8	5.0	10.0	0.7	4.3
RV1.25-4		4.3	6.6	20.1	6.3	10.0	0.7	4.3
RV1.25-5		5.3	8.0	21.5	7.0	10.0	0.7	4.3
RV1.25-6		6.4	9.8	23	8.5	10.0	0.7	4.3
RV1.25-8		8.4	11.6	27.5	11.1	10.0	0.7	4.3
RV1.25-10		10.5	13.6	31.6	13.9	10.0	0.7	4.3
RV1.25-12		13.0	19.2	36.0	16.5	10.0	0.7	4.3
RV2-3	1.5-2.5	3.2	6.6	17.8	4.3	10.0	0.8	4.9
RV2-4		4.3	6.6	21	7.0	10.0	0.8	4.9
RV2-5		5.3	8.5	22.5	7.8	10.0	0.8	4.9
RV2-6		6.4	12	27.6	11.0	10.0	0.8	4.9
RV2-8		8.4	12	27.6	11.0	10.0	0.8	4.9
RV2-10		10.5	13.6	30.2	13.9	10.0	0.8	4.9
RV2-12		13.0	19.2	36.5	16.5	10.0	0.8	4.9
RV3.5-4	2.5-4	4.3	8.0	24.5	7.7	13.0	1	6.2
RV3.5-5		5.3	8.0	24.5	7.7	13.0	1	6.2
RV3.5-6		6.4	12.0	27.9	7.7	13.0	1	6.2
RV5.5-5	4-6	5.3	9.5	25.5	8.3	13.0	1	6.7
RV5.5-6		6.4	12.0	31.5	13.0	13.0	1	6.7
RV5.5-8		8.4	15.0	33.7	13.7	13.0	1	6.7
RV5.5-10		10.5	15.0	33.7	13.7	13.0	1	6.7
RV5.5-12		13	19.2	38.1	16.0	13.0	1	6.7





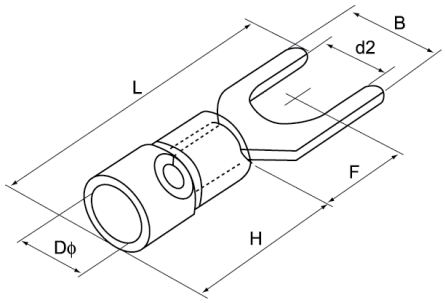


Material: Copper or Brass (Cu 64-68%) **Plating**: Tin **Range size (mm²):** 0.5 - 400

Product Code	Din (mm²)	Dimension (mm)							
		d2Ø	B	L	F	E	Thickness	DØ	dØ
RNB1.25-3	0.5-1.5	3	6	13	5	4.8	0.7	3.4	1.7
RNB1.25-4		4	7	14	6	4.8	0.7	3.4	1.7
RNB1.25-5		5.3	8	15.8	7	4.8	0.7	3.4	1.7
RNB1.25-6		6.4	11.6	21.8	11	4.8	0.7	3.4	1.7
RNB1.25-8		8.4	11.6	21.8	11	4.8	0.7	3.4	1.7
RNB1.25-10		10.5	13.6	25.5	14	4.8	0.7	3.4	1.7
RNB1.25-12		13	19.2	31	17	4.8	0.7	3.4	1.7
RNB2-3	1.5-2.5	3.2	6.6	12.3	4	4.8	0.8	4.1	2.3
RNB2-4		4.3	6.6	16	7	4.8	0.8	4.1	2.3
RNB2-5		5.3	8.5	16.8	8	4.8	0.8	4.1	2.3
RNB2-6		6.4	12	21.8	11	4.8	0.8	4.1	2.3
RNB2-8		8.4	12	21.8	11	4.8	0.8	4.1	2.3
RNB2-10		10.5	13.6	25.5	14	4.8	0.8	4.1	2.3
RNB2-12		13	19.2	31	17	4.8	0.8	4.1	2.3
RNB3.5-4	2.5-4	4.3	8	18	8	6	1	5	3
RNB3.5-5		5.3	8	18	8.00	6	1	5	3
RNB3.5-6		6.4	12	21.4	8	6	1	5	3
RNB5.5-5	4-6	5.3	9.5	19.8	8	6.8	1	5.6	3.4
RNB5.5-6		6.4	12	25.8	13	6.8	1	5.6	3.4
RNB5.5-8		8.4	15	28	14	6.8	1	5.6	3.4
RNB5.5-10		10.5	15	28	14	6.8	1	5.6	3.4
RNB5.5-12		13	19.2	32.4	16	6.8	1	5.6	3.4
RNB8-6	6-10	6.4	12	23.5	9.3	8.5	1	7.0	5.0
RNB8-8		8.4	15	29.5	13.8	8.5	1	7.0	5.0
RNB14-6	10-16	6.4	16.0	32.8	13.3	10.5	1	9.0	5.8
RNB14-8		8.4	16.0	32.8	14.5				
RNB22-8	16-25	8.4	16.5	33.7	13.5	12.0	1	11.5	7.7
RNB38-8	35-50	8.4	22.0	42.7	17.7	14.0	1	13.3	9.4





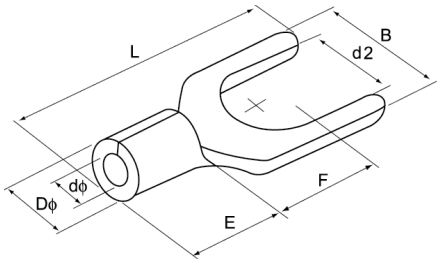


Material: Copper or brass (Cu 64-68%) **Insulation:** Vinyl **Plating:** Tin **Range size (mm²):** 0.5 - 6

Product Code	Din (mm²)	Dimension (mm)						
		d2	B	L	F	H	Thickness	DØ
SV1.25-3	0.5-1.5	3.2	5.7	21.2	6.5	10.0	0.7	4.3
SV1.25-4		4.3	6.4	21.2	6.5	10.0	0.7	4.3
SV1.25-5		5.3	8.1	21.2	6.5	10.0	0.7	4.3
SV1.25-6		6.4	9.5	21.2	6.5	10.0	0.7	4.3
SV1.25-8		8.4	14.0	27.0	11.0	10.5	0.7	4.3
SV1.25-10		10.4	14.0	27.0	11.0	10.5	0.7	4.3
SV2-3	1.5-2.5	3.2	5.7	21.2	6.5	10.0	0.8	4.9
SV2-4		4.3	6.4	21.2	6.5	10.0	0.8	4.9
SV2-5		5.3	8.1	21.2	6.5	10.0	0.8	4.9
SV2-6		6.4	9.5	21.2	6.5	10.0	0.8	4.9
SV2-8		8.4	14.0	27.0	11.5	10.5	0.8	4.9
SV2-10		10.4	14.0	27.0	11.5	10.5	0.8	4.9
SV3.5-4	2.5-4	4.3	8.0	24.8	7.0	13.0	1	6.2
SV3.5-5		5.3	8.0	24.8	7.0	13.0	1	6.2
SV3.5-6		6.4	8.0	24.8	7.0	13.0	1	6.2
SV5.5-5	4-6	5.3	9.0	25.2	7.5	13.0	1	6.7
SV5.5-6		6.4	9.0	25.2	7.5	13.0	1	6.7
SV5.5-8		8.4	14.0	30.0	11.5	13.0	1	6.7







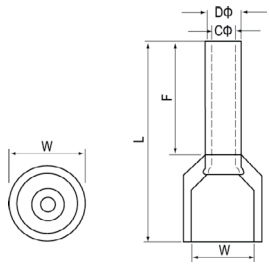
Welding connector with copper material only

Material: Copper or Brass (Cu 64-68%) **Plating:** Tin **Range size (mm²):** 0.5 - 6

Product Code	Din (mm²)	Dimension (mm)							
		d2	B	L	F	E	Thickness	DØ	dØ
SNB1.25-3	0.5-1.5	3.2	5.7	16	7	4.8	0.7	3.4	1.7
SNB1.25-4		4.3	6.4	14	7	4.8	0.7	3.4	1.7
SNB1.25-5		5.3	8.1	16	7	4.8	0.7	3.4	1.7
SNB1.25-6		6.4	9.5	18	7	4.8	0.7	3.4	1.7
SNB1.25-8		8.4	14	21.11	8	4.8	0.7	3.4	1.7
SNB2-3	1.5-2.5	3.2	5.7	12.4	7	4.8	0.8	4.1	2.3
SNB2-4		4.3	6.4	14.6	7	4.8	0.8	4.1	2.3
SNB2-5		5.3	8.1	16.4	7	4.8	0.8	4.1	2.3
SNB2-6		6.4	9.5	18.4	7	4.8	0.8	4.1	2.3
SNB2-8		8.4	14	23	10.5	4.8	0.8	4.1	2.3
SNB3.5-4	2.5-4	4.3	8	18.3	7	6	1	5	3
SNB3.5-5		5.3	8	18.3	7	6	1	5	3
SNB3.5-6		6.4	12	21.5	12.00	6	1	5	3
SNB5.5-5	4-6	5.3	9	19.5	8	6.8	1	5.6	3.4
SNB5.5-6		6.4	9	19.5	8	6.8	1	5.6	3.4
SNB5.5-8		8.4	14	25.5	8	6.8	1	5.6	3.4







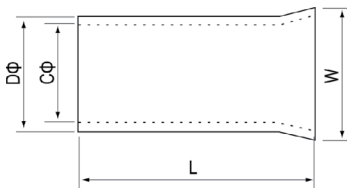
Insulation: P.P **Materials:** Copper or Brass

CE RoHS

Product Code	Wire Range	Dimension (mm)					Pcs/ Pack	Insulating tuble color (German Standard)
	mm² (A.W.G.)	F	L	W	DØ	CØ		
E0508	0.5(22)	8.0	14.0	2.6	1.3	1.0	1000	Orange
E7508	0.75(20)	8.0	14.6	2.8	1.5	1.2	1000	White
E1008	1.0(18)	8.0	14.6	3.0	1.7	1.4	1000	Yellow
E1510	1.5(16)	10.0	16.4	3.5	2.0	1.7	1000	Red
E2508	2.5(14)	8.0	15.2	4.0	2.6	2.3	1000	Blue
E4012	4.0(12)	12	19.5	4.4	3.2	2.8	1000	Gray
E6012	6.0(10)	12.0	20.0	6.3	3.9	3.5	1000	Black
E10-12	10.0(7)	12.0	21.5	7.6	4.9	4.5	1000	Milk
E16-12	16.0(5)	12.0	22.2	8.8	6.2	5.8	500	Green
E25-16	25.0(4)	16.0	29.0	11.2	7.9	7.5	250	Brown
E25-22		22.0	35.0					
E35-16	35.0(2)	16.0	30.0	12.7	8.7	8.3	250	Gray
E50-25	50.0(1)	25.0	41.0	15.3	10.9	10.3	250	Olive

NON INSULATED CORD-END TERMINALS (EN)



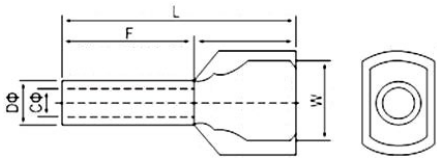


Material: Copper or brass
Plating: Tin
Range size (mm²): 0.5 - 50
Welding connector with copper material only

Product Code	Wire Range mm² (A.W.G)	Dimension (mm)				Pcs/Pack
		L	DØ	CØ	W	
EN 0508	0.5(22)	8	1.3	1	1.7	10000
EN 7508	0.75(20)	8	1.5	1.2	1.9	10000
EN 1008	1.0(18)	8	1.7	1.4	2.2	10000
EN1508	1.5(16)	8	2	1.7	2.5	10000
EN 2508	2.5(14)	8	2.6	2.3	3.3	10000
EN 4009	4.0(12)	9	3.2	2.8	3.9	5000
EN 6012	6.0(10)	12	3.9	3.5	4.8	5000
EN 10-12	10.0(7)	12	4.9	4.5	5.8	2500
EN 16-12	16.0(5)	12	6.2	5.8	7.2	2000
EN 25-16	25.0(4)	16	7.9	7.5	9.1	1000
EN 25-22		22				
EN 35-16	35.0(2)	16	8.7	8.3	10.2	500
EN 50-25	50.0(1)	25	10.9	10.3	12.4	500

CORD-END TWIN SLEEVES (TE)



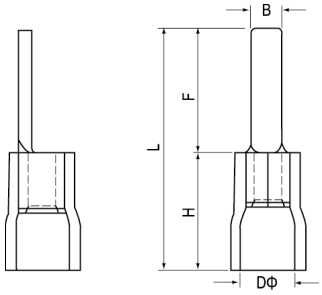


Insulation: P.P
Materials:
Copper or Brass

Product Code	Conductor (mm²)	Dimension (mm)						Color
		F	L	W	B	D	C	
TE0508	2x0.5	8	14.5	5	6.5	1.8	1.5	◆ Orange
TE7508	2 x 0.75	8	14.7	5	6.7	2.1	1.8	White
TE7510	2x0.75	10	16.7	5.5	6.7	2.1	1.8	
TE1010	2x1	10	17.1	5.5	7.1	2.3	2	◆ Red
TE1508	2x 1.5	8	15.5	6.4	7.2	2.6	2.3	◆ Black
TE1512	2x 1.5	12	19.5	6.4	7.5	2.6	2.3	◆ Black ◆ Yellow
TE2508	2x2.5	8	16.5	8	8.5	3.3	2.9	◆ Blue
TE2510	2x2.5	10	18.5	8	8.5	3.3	2.9	◆ Blue ◆ Gray
TE2512	2x2.5	12	21.5	8	8.5	3.3	2.9	
TE4012	2x4	12	23.1	8.8	11.1	4.2	3.8	◆ Orange ◆ Gray
TE6012	2x6	12	26.6	12.6	12	6.9	6.5	◆ Green

INSULATED BLADE TERMINALS (DBV)



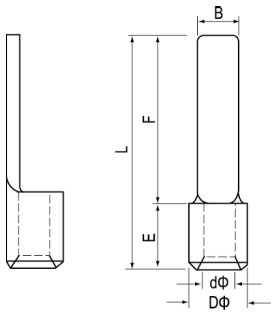


Insulation: Vinyl
Material: Copper or brass
Plating: Tin
Range size (mm²): 0.5 - 6
Welding connector with copper material only

Product Code	Dimension (mm)					Color
	B	L	F	H	DØ	
DBV1.25-10	2.3	20	10	10	4.3	◆ Red
DBV1.25-14	3	24	14	10	4.3	
DBV1.25-18	2.3	28	18	10	4.3	
DBV2-10	2.3	20	10	10	4.9	◆ Blue
DBV2-14	3	24	14	10	4.9	
DBV2-18	2.3	28	18	10	4.9	
DBV5.5-10	2.8	23	10	13	6.7	◆ Yellow
DBV5.5-14	4.5	27	14	13	6.7	
DBV5.5-18	4.5	31	18	13	6.7	

NON INSULATED BLADE TERMINALS (DBN)



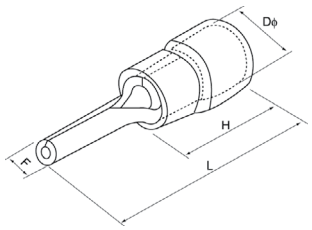


Material: Copper or brass
Plating: Tin
Range size (mm²): 0.5 - 6
Welding connector with copper material only

Product Code	Dimension (mm)					
	B	L	F	E	DØ	dØ
DBN 1.25-10	2.3	14.8	10	4.8	3.4	1.7
DBN 1.25-11	3	15.8	11			
DBN 1.25-14	3	18.8	14			
DBN 1.25-18	2.3	22.8	18			
DBN 2-10	2.3	14.8	10	4.8	4.1	2.3
DBN 2-14	3	18.8	14			
DBN 2-18	2.3	22.8	18			
DBN 5.5-10	2.8	16.8	10	6.8	5.6	3.4
DBN 5.5-14	4.5	20.8	14.00			
DBN 5.5-18	4.5	24.8	18			
DBN 8-14	5	22.5	14	8.5	7.2	4.5
DBN 14-16	6	26.5	16	10.5	9	5.8

INSULATED PIN TERMINALS (PTV)



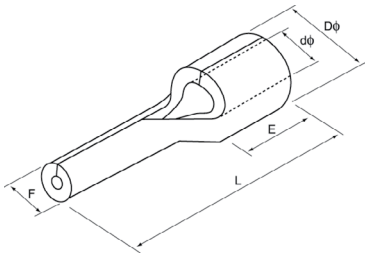


Insulation: Vinyl
Material: Copper or brass
Plating: Tin
Range size (mm²): 0.5 - 6
Welding connector with copper material only

Product Code	Dimension (mm)						Color
	Wire Size	F	L	H	Thickness	DØ	
PTV1.25-10	0.5-1.5	1.9	19	10	0.7	5.5	Red
PTV1.25-13	0.5-1.5	1.9	23	10	0.7	5.5	
PTV2-10	1.5-2.5	1.9	20	10	0.8	6.8	Blue
PTV2-13	1.5-2.5	1.9	23	10	0.8	6.8	
PTV5.5-13	4.0-6.0	2.8	26	13	1	7.9	Yellow

NON INSULATED PIN TERMINALS (PTN)





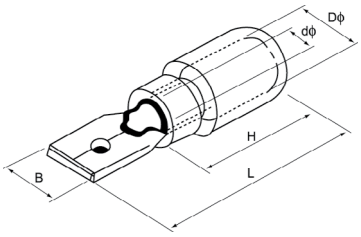
Material: Copper or brass
Plating: Tin
Range size (mm²): 0.5 - 6
Welding connector with copper material only

Product Code	Dimension (mm)				
	F	L	E	DØ	dØ
PTN 1.25-9	1.9	13.8	4.8	3.4	1.7
PTN 1.25-10	1.9	14.8			
PTN 1.25-12	1.9	16.8			
PTN 1.25-13	1.9	17.8			
PTN 1.25-18	1.9	22.8			
PTN 2-9	1.9	13.8	4.8	4.1	2.3
PTN 2-10	1.9	14.8			
PTN 2-12	1.9	16.8			
PTN 2-13	1.9	17.8			
PTN 2-18	1.9	22.8			
PTN 3.5-10	2.8	16.0	6	5	3
PTN 3.5-13	2.8	19.0			
PTN 5.5-13	2.8	19.0	6.8	5.6	3.4
PTN 5.5-18	2.8	24.8	6.8	5.6	3.4









Insulation: Vinyl
Raw material: Brass
Plating: Tin
Range size (mm²): 0.5 - 6

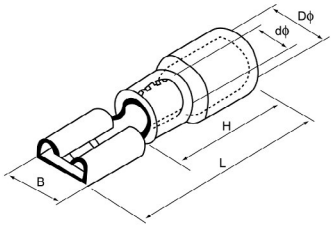
CE RoHS

Product Code	Wire Range mm² (A.W.G)	Connecting spec. (mm)	Thickness (mm)	Dimension(mm)					Color
				B	dØ	DØ	L	H	
MDD 1.25-110(5)	0.5-1.5 (22-16)	0.5 x 2.8	0.5	2.8	1.7	4.3	17.7	10.0	◆ Red
MDD 1.25-110(8)		0.8 x 2.8	0.8	2.8	1.7	4.3	17.7	10.0	
MDD 1.25-187(5)		0.5 x 4.75	0.5	4.75	1.7	4.3	20.0	10.0	
MDD 1.25-187(8)		0.8 x 4.75	0.8	4.75	1.7	4.3	20.0	10.0	
MDD 1.25-250		0.8 x 6.35	0.4	6.35	1.7	4.3	21.0	10.0	
MDD 2-110(5)	1.5-2.5 (16-14)	0.5 x 2.8	0.5	2.8	2.3	4.9	17.7	10.0	◆ Blue
MDD 2-110(8)		0.8 x 2.8	0.8	2.8	2.3	4.9	17.7	10.0	
MDD 2-187(5)		0.5 x 4.75	0.5	4.75	2.3	4.9	20.0	10.0	
MDD 2-187(8)		0.8 x 4.75	0.8	4.75	2.3	4.9	20.0	10.0	
MDD 2-250		0.8 x 6.35	0.4	6.35	2.3	4.9	21.0	10.0	
MDD5.5-187(5)	4-6 (12-10)	0.5 x 4.75	0.5	4.75	3.4	6.7	23.0	13.0	◆ Yellow
MDD 5.5-250		0.8 x 6.35	0.4	6.35	3.4	6.7	25.0	13.0	









Insulation: Vinyl
Raw material: Brass
Plating: Tin
Range size (mm²): 0.5 - 6

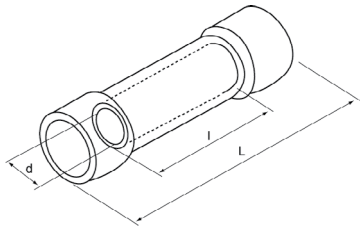
CE RoHS

Product Code	Wire Range	Connecting spec. (mm)	Thickness (mm)	Dimension(mm)					Color
	mm² (A.W.G)			B	DØ	dØ	L	H	
FDD 1.25-110(5)	0.5-1.5 (22-16)	0.5 x 2.8	0.3	3.8	4.3	1.7	19.0	10.0	◆ Red
FDD 1.25-110(8)		0.8 x 2.8	0.3	3.8	4.3	1.7	19.0	10.0	
FDD 1.25-187(5)		0.5 x 4.75	0.35	5.6	4.3	1.7	19.0	10.0	
FDD 1.25-187(8)		0.8 x 4.75	0.35	5.6	4.3	1.7	19.0	10.0	
FDD 1.25-205		0.5 x 5.2	0.35	6.5	4.3	1.7	20.0	10.0	
FDD 1.25-250		0.8 x 6.35	0.4	7.4	4.3	1.7	21.0	10.0	
FDD 2-110(5)	1.5-2.5 (16-14)	0.5 x 2.8	0.3	3.8	4.9	2.3	19.0	10.0	◆ Blue
FDD 2-110(8)		0.8 x 2.8	0.3	3.8	4.9	2.3	19.0	10.0	
FDD 2-187(5)		0.5 x 4.75	0.35	5.6	4.9	2.3	19.0	10.0	
FDD 2-187(8)		0.8 x 4.75	0.35	5.6	4.9	2.3	19.0	10.0	
FDD 2-205		0.5 x 5.2	0.35	6.5	4.9	2.3	20.0	10.0	
FDD 2-250		0.8 x 6.35	0.4	7.4	4.9	2.3	21.0	10.0	
FDD 2-312		0.8 x 8.0	0.4	9.0	4.9	2.3	23.0	10.0	
FDD 5.5-187(5)	4-6 (12-10)	0.5 x 4.75	0.4	5.6	6.7	3.4	23.0	13.0	◆ Yellow
FDD 5.5-312		0.8 x 8.0	0.5	9.0	6.7	3.4	27.0	13.0	
FDD 5.5-250		0.8 x 6.35	0.4	7.4	6.7	3.4	24.0	13.0	
FDD 5.5-375		1.2 x 9.4	0.5	10.9	6.7	3.4	29.6	13.0	









Insulation: Vinyl
Raw material: Copper or Brass
Plating: Tin

CE RoHS

Product Code	Wire Range mm² (A.W.G)	Dimension(mm)			Imax.	Color
		l	d	L		
BV 1.25	0.5-1.5 (22-16)	15	1.8	25.5	19A	Red
BV 2	1.5-2.5 (16-14)	15	2.4	25.5	27A	Blue
BV 5.5	4-6 (12-10)	15	3.6	27.5	48A	Yellow
BV 8	6-10 (8)	21	4.7	32.0	62A	Red
BV 14	10-16 (6)	26.0	5.8	42.0	88A	Blue
BV 22	16-25 (4)	29.0	7.7	50.0	115A	Yellow
BV 38	25-35 (2)	32.0	9.4	55.0	160A	Red

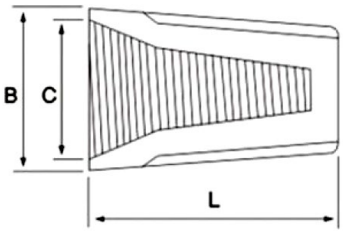
CRIMPING TOOLS

Item size (mm²)	0.25-6	0.5-6	1.25 - 16	5.5 - 25	5.5 - 38
Tools	 LSC-8-6	 LS-30J	 LS-16	 LS-22	 LS-38

WIRE NUT CONNECTOR (SP)







Insulation: Vinyl
Raw material: Brass
Plating: Tin

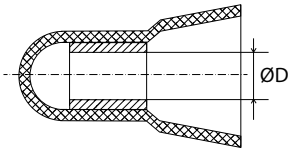
CE RoHS

Product Code	Cable Range		Dimension(mm)			Color
			B	C	L	
SP71	Min 0.75 x 1 + 0.5 x 1	Max 1.5 x 2	8.5	6.7	15	Gray
SP72	Min 0.75 x 3	Max 1.5 x 3	10.1	7.4	17.5	Blue
SP73	Min 0.75 x 3	Max 1.5 x 3 + 1 x 1	12.6	9.9	22.1	Orange
SP74	Min 0.25x 1 + 0.75x1	Max 2.5 x 4 + 0.75 x 1	13.7	11	24.5	Yellow
SP75	Min 0.25 x 2	Max 6 x 2 + 4 x 2	16	13	26.5	Red

CORD-END TWIN SLEEVES (CE)







Insulation: Polyamide , UL 94V-2 flame-retardant shell
Raw material: Aluminum, Copper
Resistant to vibration

CE RoHS

Models	Electrical Rating	Wire Range	Package (pcs/bag)	Inside dia. of sleeve ØD (mm)
CE1 Ø3	300 V Max. 105°C (221°F)	22-18 AWG, Cu. Max: 2 #20 with 1 #18. Min: 2 #22.	1.000	2.55
CE2 Ø4	300 V Max. 105°C (221°F)	22-14 AWG, Cu Max: 1 #18 with 1 #14 Min: 2 #22	1.000	3.1
CE3 Ø5	300 V Max. 105°C (221°F)	12-10 AWG, Cu	100	4
CE5 Ø6	300 V Max. 105°C (221°F)	22-10 AWG, Cu Max: 3 #14 Min: 2 #22 with 2 #18	500	4.4
CE8 Ø8	300 V Max. for UL 600 V Max. for CSA & CQC 105°C (221°F)	16-10 AWG, Cu Max: 2 #16 with 1 #10 Min: 2 #16 with 1 #12.	300	5.25
CE10 Ø10	300 V Max. 105°C (221°F)	4 AWG, Cu	Call	7.8

NYLON CABLE TIES (MHD)





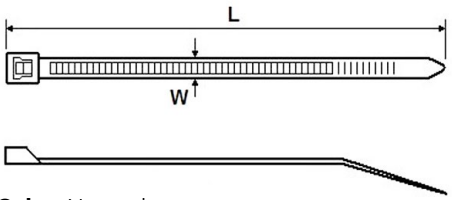
Material :
Nylon 66, 94V-2 certificated by UL, heat-resisting erosion control, insulate well and not apt to age.
Color:
Black, White, Blue, Green, Pink, Purple, Red, Yellow.
Package:
100 pcs/bag

Product Code	Dimension (mm)		Max. Bundle dia E (mm)	Min tensile strength	
	W	L		lbs	kgs
MHD-3x100	2.5	100	22	18	8
MHD-3x150	2.5	150	35	33	15
MHD-3x200	2.5	200	50	18	8
MHD-3x250	2.9	250	65	33	18
MHD-4x150	3.6	150	35	40	18
MHD-4x200	3.6	200	50	40	18
MHD-4x250	3.6	250	65	40	18
MHD-4x300	3.6	300	80	40	18
MHD-5x200	4.8	200	50	50	22
MHD-5x250	4.8	250	65	50	22
MHD-5x300	4.8	300	82	50	22
MHD-5x400	4.8	400	105	50	22
MHD-7x300	6.5	300	82	50	22
MHD-7x400	6.5	400	105	110	45
MHD-8x300	7.6	300	82	120	55
MHD-8x400	7.6	400	105	120	55
MHD-8x500	7.6	500	150	120	55
MHD-10x650	9	650	190	175	80









Color: Natural
Material : UL approved ***Polyamide 6.6, 94V-2 standard*** certificated by UL
Operating Temp: from **-40°C** to **85°C**
Package: 100 pcs/bag

E75050 RoHS HF UL

Product Code	Dimension (mm)		Max. Bundle dia (mm)	Min. Loop Tensile Strength (kg)
	W	L		
MHDF-100MC	2.5	100	22	8.1
MHDF-140MC		140	33	
MHD-200MC		200	53	
MHD-250MC	2.8	250	65	14
MHDF-150IC	3.6	150	35	18.2
MHDF-200IC		200	53	18.2
MHDF-300IC		300	76	
MHDF-200STC	4.8	200	50	22.2
MHDF-250STC		250	60	
MHDF-300STC		300	70	
MHDF-370STC		370	76	
MHDF-300HD	7.6	300	76	54.4
MHDF-370HD		370	102	
MHD-430HD-S		430	125	
MHD-540HD-S		533	140	
MHD-530HD	9.0	526	140	79.4
MHD-630HD		610	187	
MHD-710HD		710	190	
MHD-780HD		776	228	
MHD-920HD		912	263	





- Available in a wide range of materials.
- Internal serrations allowing for a positive hold onto cable and pipe bundles.
- The design of the head guarantees a high tensile strength while allowing a very low insertion force.

Material: Nylon 66, UL94 V2

Package: 100pcs/bag

E75050 Lloyds Register GL 59425-08HH RoHS HF Halogen Free

No.	Product Code	Length mm (inch)	Width mm (inch)	Max.Bundle Dia. mm (inch)	Min. Loop Tensile Strength - kg (lbs)
1	GT-80MC	80 (3.15)	2.4 (0.09)	15 (0.59)	8.0 (17.68)
2	GT-90MC	90 (3.54)	2.4 (0.09)	16 (0.63)	8.0 (17.68)
3	GT-100MC	100 (3.94)	2.5 (0.10)	22 (0.87)	8.1 (18)
4	GT-120MC	120 (4.72)	2.5 (0.10)	30 (1.18)	8.1 (18)
5	GT-140MC	140 (5.51)	2.5 (0.10)	33 (1.30)	8.1 (18)
6	GT-150MC	150 (5.91)	2.5 (0.10)	35 (1.38)	8.1 (18)
7	GT-160MC	160 (6.30)	2.5 (0.10)	40 (1.57)	8.1 (18)
8	GT-200MC	200 (7.87)	2.5 (0.10)	53 (2.09)	8.1 (18)
9	GT-250MC	250 (9.84)	2.8 (0.11)	65 (2.56)	14 (31)
10	GT-300MC	300 (11.81)	2.8 (0.11)	76 (2.99)	14 (31)
11	GT-140ISC	140 (5.51)	3.4 (0.13)	33 (1.30)	13.6 (30)
12	GT-120IC	120 (4.72)	3.6 (0.14)	30 (1.18)	18.2 (40)
13	GT-140 IC	140 (5.51)	3.6 (0.14)	33 (1.30)	18.2 (40)
14	GT-150IC	150 (5.91)	3.6 (0.14)	35 (1.38)	18.2 (40)
15	GT-180IC	180 (7.09)	3.6 (0.14)	44 (1.73)	18.2 (40)
16	GT-200IC	200 (7.87)	3.6 (0.14)	53 (2.09)	18.2 (40)
17	GT-215IC	215 (8.46)	3.6 (0.14)	56 (2.20)	18.2 (40)
18	GT-250IC	250 (9.84)	3.6 (0.14)	65 (2.56)	18.2 (40)
19	GT-280IC	280 (11.02)	3.6 (0.14)	69 (2.72)	18.2 (40)
20	GT-300IC	300 (11.81)	3.6 (0.14)	76 (2.99)	18.2 (40)
21	GT-360IC	360 (14.17)	3.6 (0.14)	98 (3.86)	18.2 (40)
22	GT-370IC	370 (14.57)	3.6 (0.14)	102 (4.02)	18.2 (40)
23	GT-120STC	120 (4.72)	4.8 (0.19)	24 (0.94)	22.2 (50)
24	GT-150STC	150 (5.91)	4.8 (0.19)	35 (1.38)	22.2 (50)
25	GT-160STC	160 (6.30)	4.8 (0.19)	38 (1.50)	22.2 (50)
26	GT-178STC	178 (7.01)	4.8 (0.19)	40 (1.57)	22.2 (50)
27	GT-190STC	188 (7.40)	4.8 (0.19)	46 (1.81)	22.2 (50)
28	GT-200STC	200 (7.87)	4.8 (0.19)	50 (1.97)	22.2 (50)
29	GT-216STC	215 (8.46)	4.8 (0.19)	53 (2.09)	22.2 (50)
30	GT-250STC	250 (9.84)	4.8 (0.19)	60 (2.36)	22.2 (50)
31	GT-266STC	265 (10.43)	4.8 (0.19)	65 (2.56)	22.2 (50)
32	GT-280STC	280 (11.02)	4.8 (0.19)	70 (2.76)	22.2 (50)

No.	Product Code	Length mm (inch)	Width mm (inch)	Max.Bundle Dia. mm (inch)	Min. Loop Tensile Strength - kg (lbs)
33	GT-300STC	300 (11.81)	4.8 (0.19)	76 (2.99)	22.2 (50)
34	GT-360ST	360 (14.17)	4.8 (0.19)	98 (3.86)	22.2 (50)
35	GT-370ST	370 (14.57)	4.8 (0.19)	102 (4.02)	22.2 (50)
36	GT-390ST	390 (15.35)	4.8 (0.19)	105 (4.13)	22.2 (50)
37	GT-430ST	430 (16.93)	4.8 (0.19)	110 (4.33)	22.2 (50)
38	GT-450ST	450 (17.72)	4.8 (0.19)	116 (4.57)	22.2 (50)
39	GT-530ST	530 (20.87)	4.8 (0.19)	140 (5.51)	22.2 (50)
40	GT-550ST	550 (21.65)	4.8 (0.19)	145 (5.71)	22.2 (50)
41	GT-635ST	635 (25.00)	4.8 (0.19)	190 (7.48)	22.2 (50)
42	GT-685ST	685 (26.97)	4.8 (0.19)	205 (8.07)	22.2 (50)
43	GT-730ST	735 (28.94)	4.8 (0.19)	224 (8.82)	40 (88)
44	GT-830ST	830 (32.68)	4.8 (0.19)	254 (10.00)	40 (88)
45	GT-920ST	925 (36.42)	4.8 (0.19)	263 (10.35)	40 (88)
46	GT-150HD	150 (5.91)	7.6 (0.30)	33 (1.30)	54.4 (120)
47	GT-200HD	200 (7.87)	7.6 (0.30)	50 (1.97)	54.4 (120)
48	GT-240HD	240 (9.45)	7.6 (0.30)	63 (2.48)	54.4 (120)
49	GT-250HD	250 (9.84)	7.6 (0.30)	65 (2.56)	54.4 (120)
50	GT-280HD	280 (11.02)	7.6 (0.30)	71 (2.80)	54.4 (120)
51	GT-300HD	300 (11.81)	7.6 (0.30)	76 (2.99)	54.4 (120)
52	GT-370HD	368 (14.49)	7.6 (0.30)	102 (4.02)	54.4 (120)
53	GT-430HD-S	430 (16.93)	7.6 (0.30)	125 (4.92)	54.4 (120)
54	GT-450HD-S	450 (17.72)	7.6 (0.30)	132 (5.20)	54.4 (120)
55	GT-540HD-S	533 (20.98)	7.6 (0.30)	140 (5.51)	54.4 (120)
56	GT-750HD-S	750 (29.53)	7.6 (0.30)	218 (8.58)	54.4 (120)
57	GT-290HD	290 (11.42)	9.0 (0.35)	80.4 (3.16)	79.4 (175)
58	GT-380HD	380 (14.96)	9.0 (0.35)	92.2 (3.63)	79.4 (175)
59	GT-430HD	430 (16.93)	9.0 (0.35)	110 (4.33)	79.4 (175)
60	GT-450HD	450 (17.72)	9.0 (0.35)	120 (4.72)	79.4 (175)
61	GT-530HD	526 (20.71)	9.0 (0.35)	140 (5.51)	79.4 (175)
62	GT-630HD	610 (24.02)	9.0 (0.35)	187 (7.00)	79.4 (175)
63	GT-710HD	710 (27.95)	9.0 (0.35)	190 (7.48)	79.4 (175)
64	GT-780HD	776 (30.55)	9.0 (0.35)	228 (8.98)	79.4 (175)
65	GT-830HD	815 (32.09)	9.0 (0.35)	239 (9.41)	79.4 (175)
66	GT-920HD	912 (35.91)	9.0 (0.35)	263 (10.35)	79.4 (175)
67	GT-1020HD	1020 (40.16)	9.0 (0.35)	295 (11.61)	79.4 (175)
68	GT-1070HD	1070 (42.13)	9.0 (0.35)	320 (12.60)	79.4 (175)
69	GT-1220HD	1220 (48.03)	9.0 (0.35)	365 (14.37)	79.4 (175)
70	GT-1370HD	1375 (54.13)	9.0 (0.35)	412 (16.22)	79.4 (175)
71	GT-1530HD	1530 (60.24)	9.0 (0.35)	460 (18.11)	79.4 (175)



- Available in a wide range of materials.
- Internal serrations allowing for a positive hold onto cable and pipe bundles.
- The design of the head guarantees a **high tensile strength** while allowing a very low insertion force.
- **Flame-retardant, Heat-resistant, UV resistant** are available.
- **Material:** UL approved Polyamide 6.6, 94V-2
- **Color:** Black
- **Packing:** 100pcs/bag

E75050



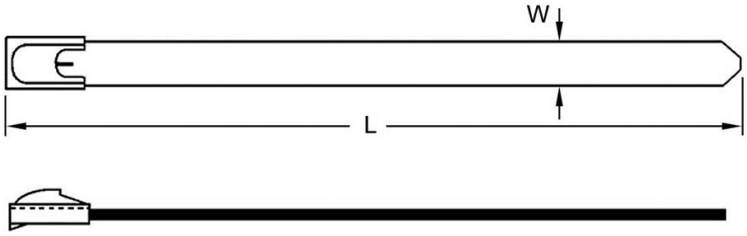
No.	Product Code	Length mm (inch)	Width mm (inch)	Max.Bundle Dia. mm (inch)	Min. Loop Tensile Strength - kg (lbs)
1	GT-80MUV	80 (3.15)	2.4 (0.09)	Ø15 (0.59)	8.0 (17.68)
2	GT-100MUV	100 (3.94)	2.5 (0.10)	Ø22 (0.87)	8.1 (18)
3	GT-120MUV	120 (4.72)	2.5 (0.10)	Ø30 (1.18)	8.1 (18)
4	GT-140MUV	140 (5.51)	2.5 (0.10)	Ø33 (1.30)	8.1 (18)
5	GT-160MUV	160 (6.30)	2.5 (0.10)	Ø40 (1.57)	8.1 (18)
6	GT-200MUV	200 (7.87)	2.5 (0.10)	Ø53 (2.09)	8.1 (18)
7	GT-250MUV	250 (9.84)	2.8 (0.11)	Ø65 (2.56)	14 (31)
8	GT-300MUV	300 (11.81)	2.8 (0.11)	Ø76 (2.99)	14 (31)
9	GT-120IUV	120 (4.72)	3.6 (0.14)	Ø30 (1.18)	18.2 (40)|
10	GT-140IUV	140 (5.51)	3.6 (0.14)	Ø33 (1.30)	18.2 (40)
11	GT-150IUV	150 (5.91)	3.6 (0.14)	Ø35 (1.38)	18.2 (40)
12	GT-180IUV	180 (7.09)	3.6 (0.14)	Ø44 (1.73)	18.2 (40)
13	GT-200IUV	200 (7.87)	3.6 (0.14)	Ø53 (2.09)	18.2 (40)
14	GT-250IUV	250 (9.84)	3.6 (0.14)	Ø65 (2.56)	18.2 (40)
15	GT-300IUV	300 (11.81)	3.6 (0.14)	Ø76 (2.99)	18.2 (40)
16	GT-370IUV	370 (14.57)	3.6 (0.14)	Ø102 (4.02)	18.2 (40)
17	GT-120STUV	120 (4.72)	4.8 (0.19)	Ø24 (0.94)	22.6 (50)

No.	Product Code	Length mm (inch)	Width mm (inch)	Max.Bundle Dia. mm (inch)	Min. Loop Tensile Strength - kg (lbs)
18	GT-160STUV	160 (6.30)	4.8 (0.19)	Ø38 (1.50)	22.6 (50)
19	GT-190STUV	188 (7.40)	4.8 (0.19)	Ø46 (1.81)	22.6 (50)
20	GT-200STUV	200 (7.87)	4.8 (0.19)	Ø50 (1.97)	22.6 (50)
21	GT-250STUV	250 (9.84)	4.8 (0.19)	Ø60 (2.36)	22.6 (50)
22	GT-280STUV	280 (11.02)	4.8 (0.19)	Ø70 (2.76)	22.6 (50)
23	GT-300STUV	300 (11.81)	4.8 (0.19)	Ø76 (2.99)	22.6 (50)
24	GT-370STUV	370 (14.57)	4.8 (0.19)	Ø102 (4.02)	22.6 (50)
25	GT-390STUV	390 (15.35)	4.8 (0.19)	Ø105 (4.13)	22.6 (50)
26	GT-430STUV	430 (16.93)	4.8 (0.19)	Ø110 (4.33)	22.6 (50)
27	GT-450STUV	450 (17.72)	4.8 (0.19)	Ø116 (4.57)	22.6 (50)
28	GT-530STUV	530 (20.87)	4.8 (0.19)	Ø140 (5.51)	22.6 (50)
29	GT-150HDUV	150 (5.91)	7.6 (0.30)	Ø33 (1.30)	54.4 (120)
30	GT-200HDUV	200 (7.87)	7.6 (0.30)	Ø50 (1.97)	54.4 (120)
31	GT-250HDUV	250 (9.84)	7.6 (0.30)	Ø65 (2.56)	54.4 (120)
32	GT-300HDUV	300 (11.81)	7.6 (0.30)	Ø76 (2.99)	54.4 (120)
33	GT-370HDUV	370 (14.57)	7.6 (0.30)	Ø102 (4.02)	54.4 (120)
34	GT-430HD-SUV	430 (16.93)	7.6 (0.30)	Ø125 (4.92)	54.4 (120)
35	GT-450HD-SUV	450 (17.72)	7.6 (0.30)	Ø130 (5.12)	54.4 (120)
36	GT-540HD-SUV	533 (20.98)	7.6 (0.30)	Ø140 (5.51)	54.4 (120)
37	GT-430HDUV	430 (16.93)	9.0 (0.35)	Ø125 (4.92)	79.4 (175)
38	GT-530HDUV	526 (20.71)	9.0 (0.35)	Ø140 (5.51)	79.4 (175)
39	GT-630HDUV	610 (24.02)	9.0 (0.35)	Ø187 (7.00)	79.4 (175)
40	GT-710HDUV	710 (27.95)	9.0 (0.35)	Ø190 (7.48)	79.4 (175)
41	GT-780HDUV	776 (30.55)	9.0 (0.35)	Ø228 (8.98)	79.4 (175)
42	GT-830HDUV	815 (32.09)	9.0 (0.35)	Ø239 (9.41)	79.4 (175)
43	GT-920HDUV	912 (35.91)	9.0 (0.35)	Ø263 (10.35)	79.4 (175)



STAINLESS STEEL CABLE TIES

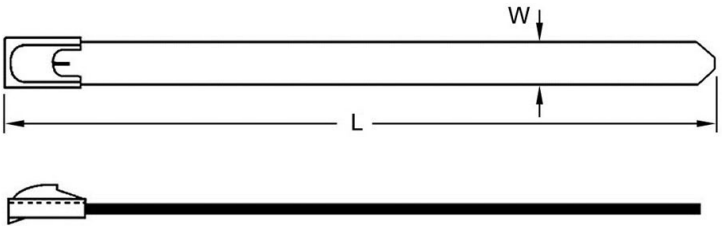
SS304/SS316 Uncoated - Ball lock type



Product Code		Width (mm)	Length (mm)	Thickness (mm)	Max. Bundle Dia. (mm)
BT4BUC-4.6X100	BT6BUC-4.6X100	4.6	100	0.25	25
BT4BUC-4.6X150	BT6BUC-4.6X150	4.6	150	0.25	37
BT4BUC-4.6X200	BT6BUC-4.6X200	4.6	200	0.25	50
BT4BUC-4.6X250	BT6BUC-4.6X250	4.6	250	0.25	63
BT4BUC-4.6X300	BT6BUC-4.6X300	4.6	300	0.25	76
BT4BUC-4.6X350	BT6BUC-4.6X350	4.6	350	0.25	89
BT4BUC-4.6X400	BT6BUC-4.6X400	4.6	400	0.25	102
BT4BUC-4.6X450	BT6BUC-4.6X450	4.6	450	0.25	115
BT4BUC-4.6X500	BT6BUC-4.6X500	4.6	500	0.25	128
BT4BUC-7.9X150	BT6BUC-7.9X150	7.9	150	0.25	37
BT4BUC-7.9X200	BT6BUC-7.9X200	7.9	200	0.25	50
BT4BUC-7.9X250	BT6BUC-7.9X250	7.9	250	0.25	63
BT4BUC-7.9X300	BT6BUC-7.9X300	7.9	300	0.25	76
BT4BUC-7.9X350	BT6BUC-7.9X350	7.9	350	0.25	89
BT4BUC-7.9X400	BT6BUC-7.9X400	7.9	400	0.25	102
BT4BUC-7.9X450	BT6BUC-7.9X450	7.9	450	0.25	115
BT4BUC-7.9X500	BT6BUC-7.9X500	7.9	500	0.25	128



STAINLESS STEEL
EPOXY COATED CABLE TIES
SS304/SS316 - Ball lock type



Product Code		Width (mm)	Length (mm)	Thickness (mm)	Max. Bundle Dia. (mm)
BT4BEPC-4.6X100	BT6BEPC-4.6X100	4.6	100	0.3	25
BT4BEPC-4.6X150	BT6BEPC-4.6X150	4.6	150	0.3	37
BT4BEPC-4.6X200	BT6BEPC-4.6X200	4.6	200	0.3	50
BT4BEPC-4.6X250	BT6BEPC-4.6X250	4.6	250	0.3	63
BT4BEPC-4.6X300	BT6BEPC-4.6X300	4.6	300	0.3	76
BT4BEPC-4.6X350	BT6BEPC-4.6X350	4.6	350	0.3	89
BT4BEPC-4.6X400	BT6BEPC-4.6X400	4.6	400	0.3	102
BT4BEPC-4.6X450	BT6BEPC-4.6X450	4.6	450	0.3	115
BT4BEPC-4.6X500	BT6BEPC-4.6X500	4.6	500	0.3	128
BT4BEPC-7.9X150	BT6BEPC-7.9X150	7.9	150	0.3	37
BT4BEPC-7.9X200	BT6BEPC-7.9X200	7.9	200	0.3	50
BT4BEPC-7.9X250	BT6BEPC-7.9X250	7.9	250	0.3	63
BT4BEPC-7.9X300	BT6BEPC-7.9X300	7.9	300	0.3	76
BT4BEPC-7.9X350	BT6BEPC-7.9X350	7.9	350	0.3	89
BT4BEPC-7.9X400	BT6BEPC-7.9X400	7.9	400	0.3	102
BT4BEPC-7.9X450	BT6BEPC-7.9X450	7.9	450	0.3	115
BT4BEPC-7.9X500	BT6BEPC-7.9X500	7.9	500	0.3	128
BT4BEPC-7.9X550	BT6BEPC-7.9X550	7.9	550	0.3	141





Working temp.: -60°C ~ 150°C
PVC coat working temp:
-40°C~85°C Non-flammability
High resistance:
acetic acid, alkali acid, sulphuric acid, corrode ... etc.
Stainless steel type: 304, 316

Product Code	Approx. Thickness mm (inch)	Approx. Width mm (inch)	Packing (m/roll)	Fit Buckle
Stainless Steel Strap-Bare Type (SS304)				
MU-8	0.3 (0.011)	8 (0.315)	50	L-8
MU-10	0.3 (0.011)	10 (0.394)	25	L-10
MU-12	0.4 (0.016)	12 (0.472)	25	L-12; G-12
MU-15	0.4 (0.016)	15 (0.59)	25	L-15; G-15
Stainless Steel Strap-Epoxy Coated Type (SS316)				
MCE-8	0.3 (0.011)	8 (0.315)	50	L-8
MCE-10	0.3 (0.011)	10 (0.394)	50	L-10
MCE-12	0.4 (0.016)	12 (0.472)	25	L-12; G-12
MCE-15	0.4 (0.016)	15 (0.59)	25	L-15; G-15
Stainless Steel Strap PVC Coated Type (SS304)				
MCP-9	1.0 (0.04)	9 (0.354)	25	L-9
MCP-13	1.2 (0.047)	13 (0.512)	20	L-13; G-13
MCP-16	1.2 (0.047)	16 (0.63)	20	L-16; G-16

FLEXIBLE BANDING STRIP





Material: Galvanised steel

Color:

Product Code	Width (mm)	Coil Lenght (m)
ARB-12	12	10

STAINLESS STEEL BUCKLE (L)





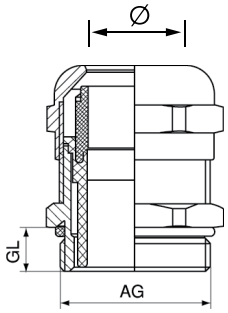
EPOXY COATED CABLE TIES
Stainless steel type: 304, 316
Shape: L-Shape

Product Code	Approx. Width (mm)	Approx. Width (inch)
L-8	8	0.315
L-10	10	0.394
L-12	12	0.472
L-13	13	0.52
L-15	15	0.591
L-16	16	0.63
L-19	19	0.748









-Material: Brass plated with nickel

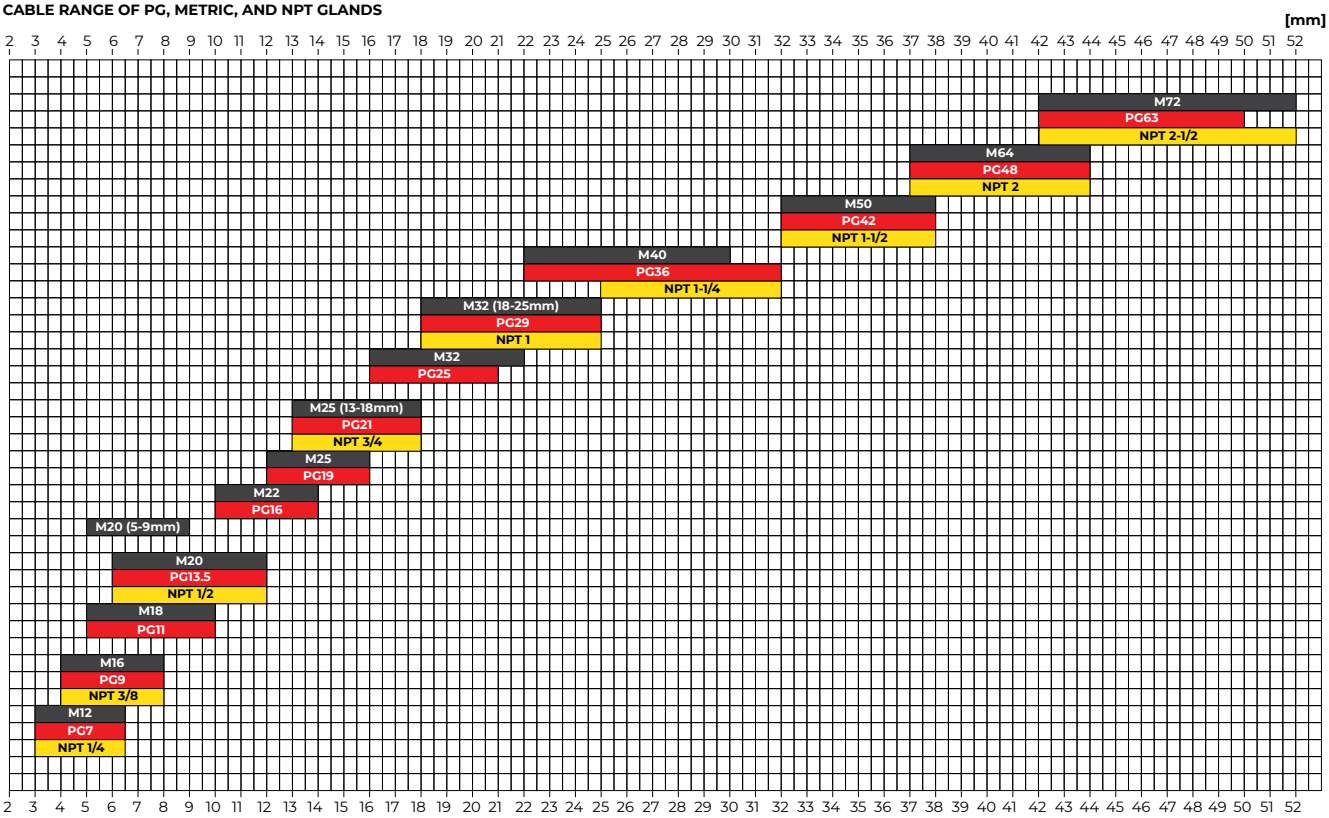
-Weather strip: Nitrile butadiene rubber (NBR), Weathering resistance rubber (EPDM)

- Working temperature: -40°C to 100°C , instantaneous heat resistance up to 120°C

- Characteristics: IP66 (Rotate the part)

CE RoHS

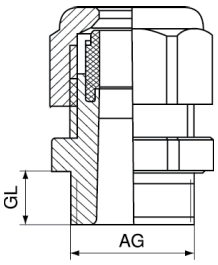
CABLE RANGE OF PG, METRIC, AND NPT GLANDS



Product Code	Type	Cable Range Ø (mm)	Thread O. D. AG (mm)	Thread Length GL (mm)	Spanner Size (mm)
Metallic Cable Gland (M Type)					
KLM12	M12 x 1.5	3~6.5	12	6	14
KLM16	M16 x 1.5	4~8	16	7	17
KLM18	M18 x 1.5	5~10	18	7	20
KLM20	M20 x 1.5	6~12	20	7.5	22
KLM20 ((5-9mm)	M20 x 1.5	5~9	20	7.5	22
KLM22	M22 x 1.5	10~14	22	7.5	24
KLM25	M25 x 1.5	12~16	25	8	27
KLM25 (13-18mm)	M25 x 1.5	13~18	25	8	30
KLM32	M32 x1.5	16~22	32	9	35
KLM32 (18-25mm)	M32 x 1.5	18~25	32	9	40
KLM40	M40 x 1.5	22~30	40	9	45
KLM50	M50 x 1.5	32~38	50	10	57
KLM63	M63 x 1.5	37~44	63	11	64
KLM64	M64 x 2	37~44	64	14	64/68
KLM72	M72 x 2	42~52	72	16	78
KLM75	M75 x 2	42~52	75	16	78/80
KLM80	M80 x 2	55~62	80	18	88
KLM88	M88 x 2	65~70	88	18	94
KLM100	M100 x 2	78~84	100	20	110
Metallic Cable Gland (PG Type)					
KLPG 7	PG7	3~6.5	12.5	8	16
KLPG 9	PG9	4~8	15.2	8	19
KLPG 11	PG11	5~10	18.6	8	22
KLPG 13.5	PG13.5	6~12	20.4	10	24
KLPG 16	PG16	10~14	22.5	10	27
KLPG 19	PG19	12~16	24	10	27
KLPG 21	PG21	13~18	28.3	10	33
KLPG 25	PG25	16~21	30	11	35
KLPG 29	PG29	18~25	37	12	42
KLPG 36	PG36	22~32	47	14	52
KLPG 42	PG42	32~38	54	14	60
KLPG 48	PG48	37~44	59.3	15	64
KLPG 63	PG63	42~50	71	28	77
Metallic Cable Gland (NPT Type)					
NPT 1/4	NPT 1/4''	3-6.5	13.6	6	15
NPT 3/8	NPT 3/8''	4-8	17	7	18
NPT 1/2	NPT 1/2''	6-12	20.9	7.5	22
NPT 3/4	NPT 3/4''	13-18	26.4	8	30
NPT 1	NPT 1''	18-25	33.2	9	40
NPT 1 1/4	NPT 1 - 1/4''	25-32	41.9	10	50
NPT 1 1/2	NPT 1 - 1/2''	32-38	48	11	57
NPT 2	NPT 2''	37-44	60	11	64
NPT 2 1/2	NPT 2'' - 1/2''	42-52	72.6	20	78





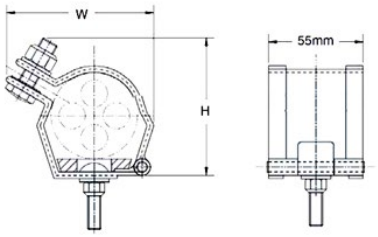


- **Material:** Adopting nylon **PA66 / PP**
- **Weather strip:** Nitrile butadiene rubber (NBR), Weathering-resistance rubber (EPDM)
- **Working temperature:** -40°C to 100°C in static state, instantaneous heat resistance up to 120°C ; -20°C to 80°C
- **Characteristics:** IP65-IP68 (Rotate the part, and use O ring)
- **Color:** Black(RAL9005), light grey (RAL7035), as well as special colors that can be designed at request

MHD Code	Type	Cable Range (mm)	Thread O. D. AG (mm)	Thread Length GL (mm)	Spanner Size(mm)
Cable Gland (PG Type)					
PG7 PA66/PP	PG7	3~6.5	12.5	8	16
PG9 PA66/PP	PG9	4~8	15.2	8	19
PG11 PA66/PP	PG11	5~10	18.6	8	22
PG13.5 PA66/PP	PG13.5	6~12	20.4	10	24
PG16 PA66/PP	PG16	10~14	22.5	10	27
PG19 PA66/PP	PG19	12~16	24	10	27
PG21 PA66/PP	PG21	13~18	28.3	10	33
PG25 PA66/PP	PG25	16~21	30	11	35
PG29 PA66/PP	PG29	18~25	37	12	42
PG36 PA66/PP	PG36	22~32	47	14	52
PG42 PA66/PP	PG42	32~38	54	14	60
PG48 PA66/PP	PG48	37~44	59.3	15	64
PG63 PA66/PP	PG63	42~50	71	28	77
Cable Gland (M Type)					
M12 PA66/PP	M12 x 1.5	3~6.5	12	8	16
M16 PA66/PP	M16 x 1.5	4~8	16	8	19
M18 PA66/PP	M18 x 1.5	5~10	18	8	22
M20 PA66/PP	M20 x 1.5	6~12	20	10	24
M22 PA66/PP	M22 x 1.5	10~14	22	10	27
M24 PA66/PP	M24 x 1.5	12~16	24	10	27
M25 PA66/PP	M25 x 1.5	13~18	25	10	33
M27 PA66/PP	M27 x 1.5	13~18	27	10	33
M30 PA66/PP	M30 x 1.5	16~21	30	11	35
M32 PA66/PP	M32 x 1.5	16~21	32	11	35
M36 PA66/PP	M36 x 1.5	18~25	36	12	42
M40 PA66/PP	M40 x 1.5	22~32	40	14	52
M50 PA66/PP	M50 x 1.5	32~38	50	14	60
M63 PA66/PP	M63 x 1.5	37~44	63	15	64
M71 PA66/PP	M71 x 1.5	42~50	71	28	77







Cleat Type: Composite

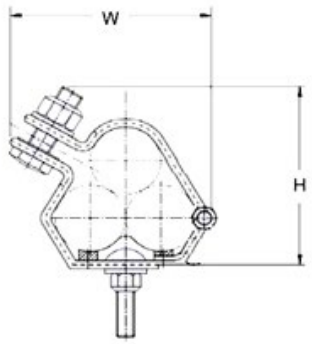
Operating Temperature Range:
-40°C ~ 120°C

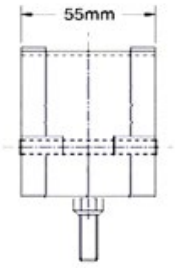
Product Code	Suitable Cable Dia. (mm)	Dimension (mm)	
		H	W
CC-2832	28~32	61	55
CC-3034	30~34	63	57
CC-3236	32~36	65	59
CC-3438	34~38	67	61
CC-3640	36~40	71	63
CC-3842	38~42	69	65
CC-4044	40~44	71	67
CC-4246	42~46	72	69
CC-4448	44~48	74	71
CC-4650	46~50	75	73
CC-4852	48~52	77	75
CC-5054	50~54	79	77
CC-5256	52~56	80	79
CC-5458	54~58	81	81
CC-5660	56~60	83	83
CC-5862	58~62	85	85
CC-6064	60~64	86	87
CC-6266	62~66	88	89
CC-6468	64~68	90	91
CC-6670	66~70	91	93
CC-6872	68~72	93	95
CC-7074	70~74	95	97
CC-7276	72~76	97	99
CC-7478	74~78	99	101
CC-7680	76~80	101	103
CC-7882	78~82	103	105
CC-8084	80~84	105	107
CC-8286	82~86	107	109
CC-8488	84~88	109	111
CC-8690	86~90	110	113
CC-8892	88~92	113	117
CC-9094	90~94	116	120
CC-9296	92~96	126	127
CC-94106	94~106	135	133
CC-100112	100~112	140	139
CC-106118	106~118	145	145
CC-112124	112~124	153	155
CC-118130	118~130	162	165
CC-127139	127~139	161	167
CC-132144	132~144	165	173
CC-138150	138~150	170	179









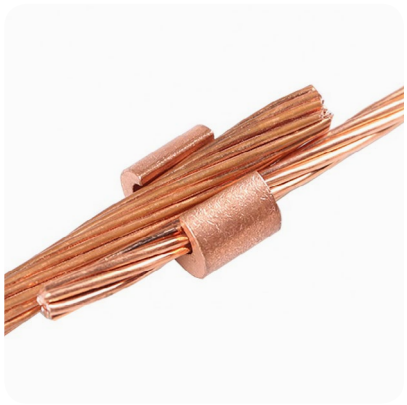


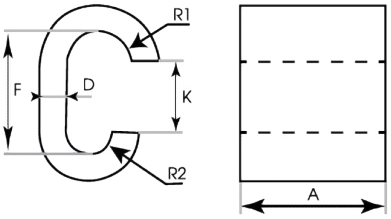
Cleat Type: Composite
Operating Temperature Range:
-40°C ~ 120°C

Product Code	Suitable Cable Dia. (mm)	Dimension (mm)	
		H	W
CC-1723	17~23	74	66
CC-1925	19~25	77	70
CC-2329	23~29	81	78
CC-2531	25~31	84	81
CC-2733	27~33	86	83
CC-2935	29~35	90	89
CC-3238	32~38	94	95
CC-3541	35~41.5	98	100
CC-3844	38~44.5	101	104
CC-4248	42~48	105	111
CC-4551	45~51	109	117
CC-4753	47~53	111	120
CC-4955	49~55	114	124
CC-5157	51~57	116	127
CC-5359	53~59	119	133
CC-5561	55~61	124	137

Product Code	Suitable Cable Dia. (mm)	Dimension (mm)	
		H	W
CC-5763	57~63	126	140
CC-5965	59~65	128	144
CC-6167	61~67	132	147
CC-6369	63~69	136	150
CC-6571	65~71	140	153
CC-6773	67~73	143	156
CC-6975	69~75	147	160
CC-7177	71~77	151	163
CC-7379	73~79	154	166
CC-7581	75~81	158	169
CC-7783	77~83	161	173
CC-7985	79~85	164	176
CC-8187	81~87	169	179
CC-8389	83~89	173	182
CC-8692	86~92	177	187
CC-8896	88~96	181	192
CC-9199	91~99	185	196
CC-96103	96~103	190	201
CC-99107	99~107	194	202
CC-103111	103~111	199	204
CC-107115	107~115	203	208
CC-111119	111~119	208	213
CC-115123	115~123	213	217
CC-119129	119~129	217	221
CC-138150	138~150	170	179
CC-8389	83~89	173	182
CC-8692	86~92	177	187
CC-8896	88~96	181	192
CC-9199	91~99	185	196
CC-96103	96~103	190	201
CC-99107	99~107	194	202
CC-103111	103~111	199	204
CC-107115	107~115	203	208
CC-111119	111~119	208	213
CC-115123	115~123	213	217
CC-119129	119~129	217	221







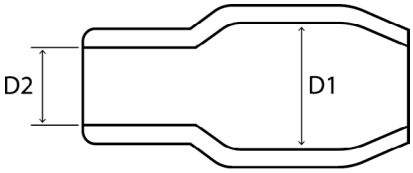
Material: Copper **Range size (mm²):** 10-300

TCVN 3624:1981

Product Code					Range cable
	D	K	F	A	mm²
C10-10	3	5	10.6	15	6-10
C16-16	4	7	14	20	10-16
C25-16	3.8	7	15	25	16-25
C25-25	4	7.5	15.8	20.4	
C35-35	4.8	11	20	25	25-35
C50-35	3.9	12.8	19.8	25	35-50
C50-50	5	10.6	22	25	
C70-35	6	11.5	25	30	25/35-70
C70-70	5	14.5	25	30	50-70
C95-95	6	15.8	30	30	70-95
C120-50	4.9	16.8	28.9	30	35/50-120
C120-120	6	20	35	30	95-120
C150-150	6	21.8	36.8	30	120-150
C185-185	8	29	44	40	150-185
C240-240	7.8	31	50	40	185-300
C300-300	8	25	50	40	

VINYL END CAPS (V)





Material: PVC

Character: Clearly color, shine, soft, insulated

Color: Red, white, blue yellow, black, green, brown available upon special request.

Used for terminal lugs.

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Product Code	Dimension (mm)	
	D1	D2
V1.25	3.3	3.1
V2	4.5	3.7
V3.5	5.4	4.1
V5.5	5.4	5.2
V8	7.2	6.2
V14	10	8
V22	12	9.5
V38	14	11.8
V60	16.8	13.5
V80	19	16
V100	22	18
V125	24	20
V150	24.4	22
V200	32	24
V250	38	26.5
V325	38	29
V400	44	37
V500	45	40.4
V630	52	45





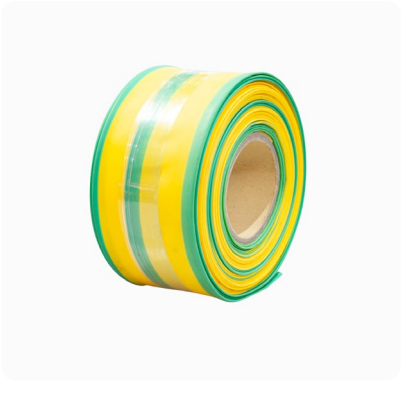
Principle
Under the high energy radiation, the linear polymer can form network cross linked structure. The mechanical strength, temperature, chemical solution and ageing resistance of cross-linked polymer are greatly improved, especially the acid and alkali resistance.

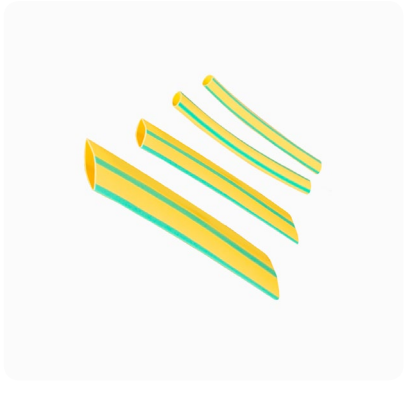
Material: Polyolefin

Color
(Red, Blue, Green, Black, Yellow White, Gray, Brown)

Test item	Condition	Index
Thermal distortion test	131°C, 1 hour	≤ 25%
Thermal shock test	250°C, 4 hours	Non- fracture
Flexibility test	7 days, 158°C oven	Non-fracture, no permanent distortion
Copper corrosion test	7 days, 158°C oven	No corrosion
Volume resistivity coefficient		≤ 1014 Ω.cm
Insulation test		≥ 2.5kV Non-breakdown, 60 seconds
Power-frequency voltage resistance		≥ 12kV
Breakdown strength		≥ 25kV/mm
Insulation test atter ageing	7 days after laying in 1580C oven	≥ 2.5kV Non-breakdown, 60 seconds
Power-frequency voltage resistance atter ageing		≥12kV
Flame retardation		VW1
Full shrinking temperature		100°C

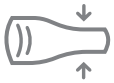
HEAT SHRINKABLE TUBE (HD5-SERIES)





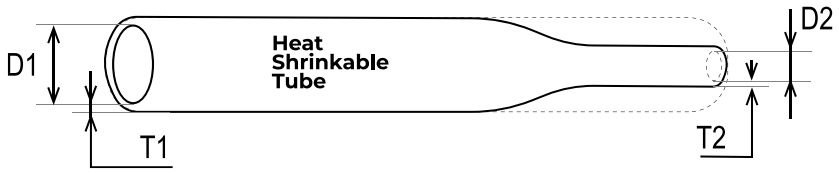
Application: -55°C ~125°C;
Initial shrinking temperature: 70°C;
Full shrinking temperature: 125°C.
Softness, flame retardation, bright and durable color, timely delivery and large supply, convenient use, able to shrink when heated with oven or hot air gun.

Color
Yellow - Green


Shrinking ratio: **2:1**


Fullshrinking temperature: **125°C**

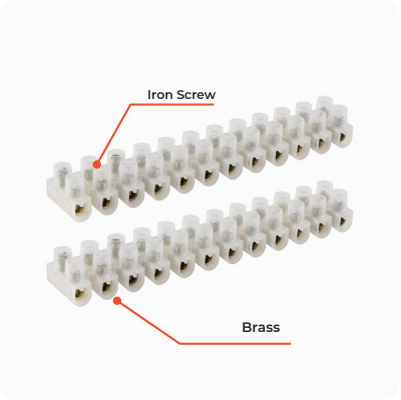
Test item	Index	Test Item	Index
Continuous use temperature	-55°C -125°C	Flame retardation	PASS
Tensile strength	≥ 10.4MPa	Breakdown strength	≥ 15kV/mm
cLongitudinal shrinking ratio	≤ 8%	Volume resistivity	> 10^{14} Ω.cm



Note: Product dimensions in the table are used for both HD5 and HD7 series.

Product Code	Spec.	Dimension Before Shrinking (mm)		Dimension After Shrinking (mm)		Standard Packaging (m/roll)	Standard Packaging (m/box size L)
		Inner Diameter (D1)	Thickness (T1)	Inner Diameter (D2)	Thickness (T2)		
DRS 1.5	Ø 1.5	1.7±0.3	0.20±0.05	0.73±0.1	0.32±0.05	200 m	4.000 m
DRS 2.0	Ø 2.0	2.2±0.3	0.25±0.05	0.98±0.1	0.32±0.05		4.000 m
DRS 2.5	Ø 2.5	2.9±0.3	0.25±0.05	1.1±0.1	0.38±0.05		3.400 m
DRS 3.0	Ø 3.0	3.4±0.4	0.25±0.05	1.4±0.1	0.40±0.05		2.800 m
DRS 3.5	Ø 2.5	3.6±0.4	0.25±0.05	1.72±0.2	0.35±0.05		2.400 m
DRS 4.0	Ø 4.0	4.5±0.4	0.25±0.05	1.8±0.1	0.45±0.05		2.200 m
DRS 4.5	Ø 4.5	4.6±0.4	0.25±0.05	2.48±0.2	0.35±0.05		2.000 m
DRS 5.0	Ø 5.0	5.4±0.4	0.25±0.15	2.3±0.1	0.55±0.15		2.200 m
DRS 6.0	Ø 6.0	6.4±0.4	0.28±0.15	2.8±0.2	0.55±0.15		2.200 m
DRS 7.0	Ø 7.0	7.4±0.4	0.28±0.15	3.3±0.2	0.55 ± 0.15	100 m	2.300 m
DRS 8.0	Ø 8.0	8.4±0.5	0.28±0.15	3.8±0.2	0.55±0.15		2.100 m
DRS 9.0	Ø 9.0	9.2±0.5	0.3±0.15	4.4±0.3	0.50±0.15		2.000 m
DRS 10	Ø 10	10.5±0.5	0.30±0.15	4.8±0.2	0.55±0.15		1.900 m
DRS 11	Ø 11	11.5±0.5	0.30±0.15	5.3±0.2	0.60±0.15		1.800 m
DRS 12	Ø 12	12.5±0.5	0.30±0.15	5.7±0.3	0.60±0.15		1.700 m
DRS 13	Ø 13	13.5±0.5	0.33±0.15	62±0.3	0.60 ± 0.15		1.600 m
DRS 14	Ø 14	14.5±0.5	0.35±0.15	6.7±0.3	0.60±0.15		1.500 m
DRS 15	Ø 15	15.5±0.6	0.38±0.15	72±0.3	0.65 ± 0.15		1.400 m
DRS 16	Ø 16	16.5±0.6	0.38±0.15	7.7±0.3	0.65±0.15		1.400 m
DRS 17	Ø 17	17.5±0.6	0.38±0.15	8.2±0.3	0.65±0.15		1.300 m
DRS 18	Ø 18	18.2±0.6	0.40±0.15	8.90±0.5	0.60±0.15		1.200 m
DRS 20	Ø 20	21.0±0.8	0.40±0.15	9.7±0.3	0.75±0.15		1.100 m
DRS 22	Ø 22	22.2±0.8	0.42±0.2	10.80±1.0	0.70±0.20		1.000 m
DRS 25	Ø 25	25.8±0.8	0.45±0.15	11.0±1.0	0.75±0.15	50 m	500 m
DRS 28	Ø 28	28.3±0.8	0.45±0.20	13.50±1.0	0.70±0.20		450 m
DRS 30	Ø 30	30.8±0.8	0.45±0.15	14.0±1.0	0.75±0.15		400 m
DRS 35	Ø 35	35.8±0.8	0.50±0.20	16.0±1.0	0.85±0.20		400 m
DRS 40	Ø 40	42.0±1.0	0.50±0.20	19.0±1.0	0.85±0.20		400 m
DRS 50	Ø 50	51.0±1.0	0.50±0.20	24.0±1.0	0.85±0.20	25 m	400 m
DRS 60	Ø 60	61.0±1.0	0.65±0.20	29.0±1.0	0.85±0.20		300 m
DRS 70	Ø 70	71.0±1.0	0.65±0.20	33.0±2.0	1.00±0.20		300 m
DRS 80	Ø 80	81.0±1.0	0.65±0.20	37.0±2.0	1.00±0.20		300 m
DRS 90	Ø 90	91.0±1.0	0.65±0.20	43.0±2.0	1.00±0.20		300 m
DRS 100	Ø 100	102.0±2.0	0.65±0.20	48.0±2.0	1.00±0.20		200 m
DRS 120	Ø 120	122.0±2.0	0.80±0.20	58.0±2.0	1.50±0.20		100 m
DRS 150	Ø 150	152.0±2.0	0.80±0.20	73.0±2.0	1.50±0.20		100 m
DRS 180	Ø 180	182.0±2.0	0.80±0.20	88.0±2.0	1.50±0.20		100 m





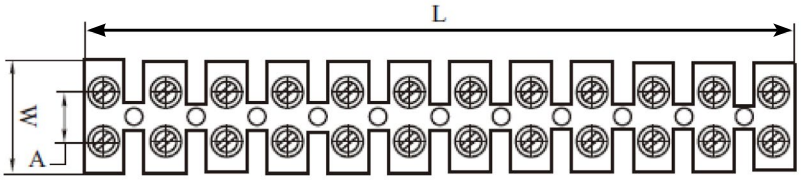
Material:

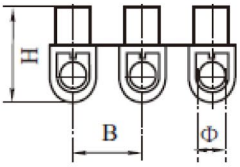
PE, Working Termperature:
- 40°C to 65°C, short time is 80°C.

PP, Working Termperature:
- 30°C to 90°C, short time is 110°C.

PA, Working Termperature:
- 35°C to 120°C, short time is 140°C.

Brass, Iron screw
Voltage: 250V - 450V





U TYPE Normal

CE RoHS

Product Code	L (mm)	W (mm)	H (mm)	A (mm)	B (mm)	Ø (mm)	Rated Voltage	Rated Current	Wire Range (mm²)
TBS U-3A	90.3	15.5	11.5	6	7.7	3.1	380V	3A	2.5-4.0
TBS U-6A	110.5	15.5	12.4	6.5	9.5	3.2		6A	4.0-6.0
TBS U-10A	116.7	20	14.9	8	10	4		10A	6.0-10.0
TBS U-16A	136.8	21.5	16.7	10	11.7	4.2		16A	10.0-12.0
TBS U-20A	153.5	24.5	17.4	11.5	13.2	4.3		20A	12.0-14.0
TBS U-30A	164.6	25	18.8	12	14.1	5.5		30A	16
TBS U-60A	187.6	29	23.5	12	16	6.8		60A	25
TBS U-80A	205	33	27	15	17	7.0	400V	80A	35
TBS U-100A	250	46	31	22	21	9.0		100A	40

U TYPE

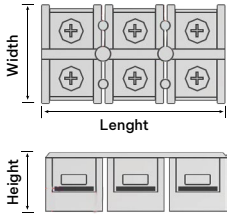
CE RoHS

Product Code	L (mm)	W (mm)	H (mm)	A (mm)	B (mm)	Ø (mm)	Rated Voltage	Rated Current	Wire Range (mm²)
TBS 3A	91	15.5	12.5	6	7.7	3.1	380V	3A	2.5-4.0
TBS 6A	110	18.3	13.6	6.5	9.5	3.2		6A	4.0-6.0
TBS 10A	129	19.6	14.7	8	10	4		10A	6.0-10.0
TBS 16A	129	21.2	17.2	10	11.7	4.2		16A	10.0-12.0
TBS 20A	135	22.1	17.2	11.5	13.2	4.3		20A	12.0-14.0
TBS 30A	166	23.8	18.3	12	14.1	5.5		30A	16
TBS 60A	191	30.4	24.6	12	16	6.8		60A	25
TBS 80A	203	35.8	28.9	15	17	7.0		80A	35
TBS 100A	229	37.8	29.4	22	21	9.0		100A	40

TERMINAL BLOCKS (TC)







Product Code	Wire section (mm²)	Rated current	Voltage	Pole Quantity	Width	Length	Height
TC-602	6-14	60A	600V	2P	43	56	32.5
TC-603		60A	600V	3P	43	85	32.5
TC-604		60A	600V	4P	43	112	32.5
TC-1002	10-22	100A	600V	2P	54.5	68	37.8
TC-1003		100A	600V	3P	55.4	104	37.8
TC-1004		100A	600V	4P	55.4	136	37.8
TC-1503	40-60	150A	600V	3P	67	117	40.8
TC-1504		150A	600V	4P	67	157	40.8
TC-2003	60-100	200A	600V	3P	72	134	46.5
TC-2004		200A	600V	4P	72	177	46.5
TC-3003	100-150	300A	600V	3P	90.5	164	50.6
TC-3004		300A	600V	4P	90.5	220	50.6
TC-4003	100-150	400A	600V	3P	90.5	164	50.6
TC-4004		400A	600V	4P	90.5	220	50.6
TC-6003	150-200	600A	600V	3P	110	275	205
TC-6004		600A	600V	4P	110	275	375

TERMINAL BLOCKS (IN-C)







Product Code	Wire section (mm²)	Rated current	Voltage	Pole Quantity	Width	Length	Height
IN411S-C	8-14	60A	600V	1P	45	16.7	35
TIN60BK-C	14-22	90A	600V	1P	56	23	39.6
TIN100BK-C	22-38	130A	600V	1P	75	32	45
TIN200BK-C	38-100	240A	600V	1P	85.7	40	59.5
TIN12BK-C	0.75-2	20A	600V	2P	40	20	32
TIN13BK-C	0.75-2	20A	600V	3P	40	25.5	32
TIN20BK-C	2-3.5	30A	600V	3P	40	35.5	32
TIN30BK-C	3.5-8	50A	600V	3P	45	43	35



JUT1-2.5	JUT1-4	JUT1-6
Length (mm)	42.5	42.5	42.5
Width (mm)	5.2	6.2	8.2
With U-rail height (mm)	47	47	47
With G-rail height (mm)	52	52	52
Rigid cable (mm2)	0.2-4	0.2-6	0.2-10
Soft cable (mm2)	0.2-2.5	0.2-4	0.2-6
I (A)	32	41	57
U (V)	800	800	800
AWG	24-12	24-10	24-8
IEC	60947-7-1	60947-7-1	60947-7-1
G-JUT1-2.5/10 JFB10-2.5 ZB5 E/1	G-JUT1-2.5/10 JFB10-4 ZB6 E/1	G-JUT1-2.5/10 JFB10-6 ZB8 E/1



JUT1-10	JUT1-16	JUT1-35
Length (mm)	42.5	42.5	50
Width (mm)	10.2	12.2	15.2
With U-rail height (mm)	47	54	62
With G-rail height (mm)	52	59	67
Rigid cable (mm2)	0.5-16	2.5-25	0.75-50
Soft cable (mm2)	0.5-10	4-16	0.75-35
I (A)	76	101	150
U (V)	800	800	1000
AWG	20-6	12-4	18-0
IEC	60947-7-1	60947-7-1	60947-7-1
G-JUT1-2.5/10 JFB10-10 ZB10 E/1	G-JUT1-16 JFB10-16 ZB10 E/1	JFB2-35 JFB3-35 ZB10 E/1



JUT1-50	JUT1-95	JUT1-150
Length (mm)	70.5	83	100
Width (mm)	20	25	31
With U-rail height (mm)	83.5	97.5	118.5
With G-rail height (mm)	81.5	95.5	116.5
Rigid cable (mm2)	16-50	25-95	35-150
Soft cable (mm2)	25-50	35-95	50-150
I (A)	150	232	309
U (V)	1000	1000	1000
AWG	6-0	4-000	2-300
IEC	60947-7-1	60947-7-1	60947-7-1
	JFB2-50 JFB3-50 ZB10 E/1	ZB10 E/1	ZB10 E/1



JUT1-240	JUT1-2.5/2	JUT1-4/2
Length (mm)	100	56	56
Width (mm)	36	5.2	6.2
With U-rail height (mm)	131.5	62	62
With G-rail height (mm)	129.5	67	67
Rigid cable (mm2)	70-240	0.2-4	0.2-4
Soft cable (mm2)	70-240	0.2-2.5	0.2-4
I (A)	150	32	32
U (V)	1000	500	500
AWG	00-500	24-12	24-12
IEC	60947-7-1	60947-7-1	60947-7-1
	ZB10 E/1	G-JUT1-2.5/4 JFB10-2.5 ZB5	G-JUT1-2.5/4 JFB10-4 ZB6



JUT1-2.5PE

Length (mm)	42.5
Width (mm)	5.2
With U-rail height (mm)	47
With G-rail height (mm)	52
Rigid cable (mm2)	0.2-4
Soft cable (mm2)	0.2-2.5
I (A)	32
AWG	24-12
IEC	60947-7-1

		ZB5	



JUT1-4PE

Length (mm)	42.5
Width (mm)	6.2
With U-rail height (mm)	47
With G-rail height (mm)	52
Rigid cable (mm2)	0.2-6
Soft cable (mm2)	0.2-4
I (A)	41
AWG	24-10
IEC	60947-7-1

		ZB6	



JUT1-6PE

Length (mm)	42.5
Width (mm)	8.2
With U-rail height (mm)	47
With G-rail height (mm)	52
Rigid cable (mm2)	0.2-10
Soft cable (mm2)	0.2-6
I (A)	57
AWG	24-8
IEC	60947-7-1

		ZB8	



JUT1-10PE

Length (mm)	42.5
Width (mm)	10.2
With U-rail height (mm)	47
With G-rail height (mm)	52
Rigid cable (mm2)	0.5-16
Soft cable (mm2)	0.5-10
I (A)	76
AWG	20-6
IEC	60947-7-1

		ZB10	



JUT1-16PE

Length (mm)	42.5
Width (mm)	12.2
With U-rail height (mm)	54
With G-rail height (mm)	59
Rigid cable (mm2)	2.5-25
Soft cable (mm2)	4-16
I (A)	101
AWG	12-4
IEC	60947-7-1

		ZB10	

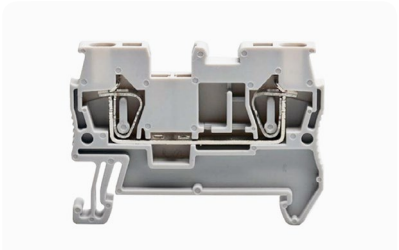


JUT1-35PE

Length (mm)	50
Width (mm)	15.2
With U-rail height (mm)	62
With G-rail height (mm)	67
Rigid cable (mm2)	0.75-50
Soft cable (mm2)	0.75-35
I (A)	115
AWG	18-0
IEC	60947-7-1

		ZB10	

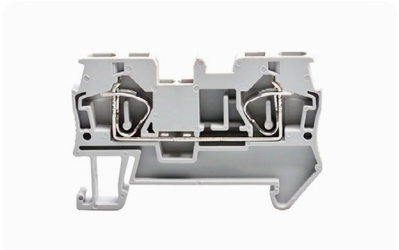
TERMINAL BLOCKS SPRING TYPE



JUT3-2.5

Length (mm)	48.5
Width (mm)	5.2
With U-rail height (mm)	36.5
Rigid cable (mm2)	0.2-4
Soft cable (mm2)	0.2-2.5
I (A)	31
U (V)	800
AWG	24-12
IEC	60947-7-1

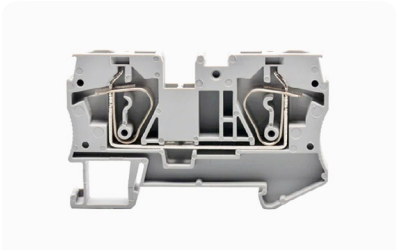
G-JUT3-1.5/2.5	**JFBS2-2.5 JFBS3-2.5 JFBS10-2.5**	**ZB5**	**E/3**



JUT3-4

Length (mm)	56
Width (mm)	6.2
With U-rail height (mm)	36.5
Rigid cable (mm2)	0.5-6
Soft cable (mm2)	0.5-4
I (A)	41
U (V)	800
AWG	24-10
IEC	60947-7-1

G-JUT3-4	**JFBS2-4 JFBS3-4 JFBS10-4**	**ZB6**	**E/3**



JUT3-6

Length (mm)	65.5
Width (mm)	8.2
With U-rail height (mm)	43.5
Rigid cable (mm2)	0.5-10
Soft cable (mm2)	0.5-6
I (A)	57
U (V)	800
AWG	24-8
IEC	60947-7-1

G-JUT3-6	**JFBS2-6 JFBS 3-6 JFBS 10-6**	**ZB8**	**E/3**

TERMINAL BLOCKS SWITCHING TYPE



JUT1-4/2-2K

Length (mm)	63.5
Width (mm)	6.2
With U-rail height (mm)	47
With G-rail height (mm)	52
Rigid cable (mm2)	0.2-4
Soft cable (mm2)	0.2-4
I (A)	16
U (V)	690
AWG	24-12
IEC	60947-7-1

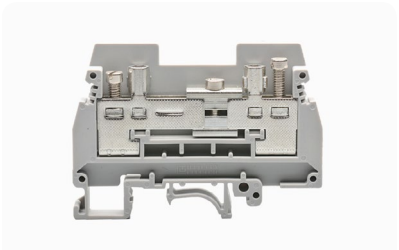
G-JUT1-4/2-2	**JEB2-4 JEB3-4 JEB10-4**	**ZB6**	



JUT1-4K

Length (mm)	51
Width (mm)	6.2
With U-rail height (mm)	58.5
With G-rail height (mm)	63.5
Rigid cable (mm2)	0.2-4
Soft cable (mm2)	0.2-4
I (A)	16
U (V)	800
AWG	24-12
IEC	60947-7-1

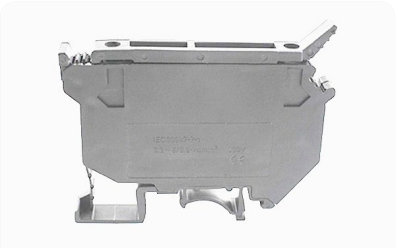
	JEB2-4 JEB3-4 JEB10-4	**ZB6**	



JUT1-6S

Length (mm)	72
Width (mm)	8.2
With U-rail height (mm)	51.5
With G-rail height (mm)	56.5
Rigid cable (mm2)	0.5-10
Soft cable (mm2)	0.5-6
I (A)	57
U (V)	400
AWG	20-8
IEC	60947-7-1

G-JUT1-6S	**JEB2-6 JEB3-6 JEB10-6**	**ZB8**	



JUT1-4RD

Length (mm)	72.5
Width (mm)	8.2
With U-rail height (mm)	56.5
With G-rail height (mm)	61.5
Rigid cable (mm2)	0.-4
Soft cable (mm2)	0.2-4
AWG	20-8
IEC	60947-7-1

G-JUT1-6S	**JEB2-6 JEB3-6 JEB10-6**	**ZB8**	



FIXED TERMINAL E/1

Material: PA66 / Galvanized brass
Wiring Type: Pin
Type : End Pads
Mounting type: 35mm .
DIN rail mounting

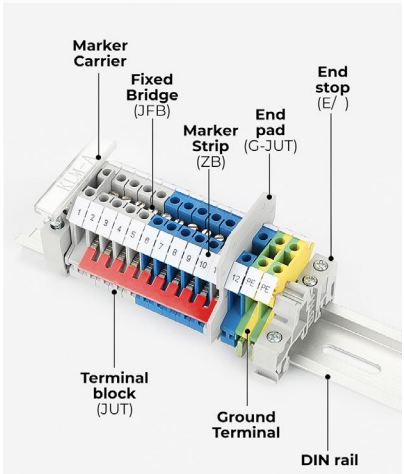
Accessories E/1 for:
JUT1-2.5, JUT1-4, JUT1-6, JUT1-10, JUT1-16, JUT1-35, JUT1-50

JUT1-2.5/2, JUT1-4/2

JUT1-4RD, JUT1-4RD/LED, JUT1-2K, JUT1-4K

JUT1-2.5S, JUT1-6S

ACCESSORIES DISPLAY





Material: PA66

END PAD G-JUT

TERMINAL (JFBS)



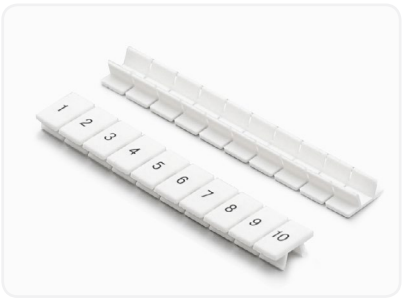
Side adaptor: full insulation in 10 digit.
Material: Copper (Cu)

Product Code	Wire size (mm²)	Number of pins	Thickness of Pins (mm)
JFBS10-2.5	2.5	10	1.61
JFBS10-4	4	10	1.61

ZACK MARKER STRIP (ZB)

The clear marking of the terminal points is essential for reliable and quick installation.
In addition to the center marking of the modular terminal blocks, each terminal point can also be labeled separately.

CE RoHS

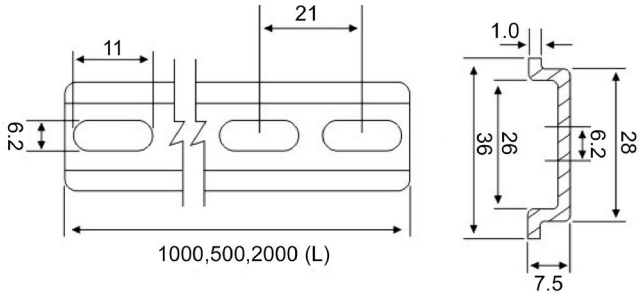


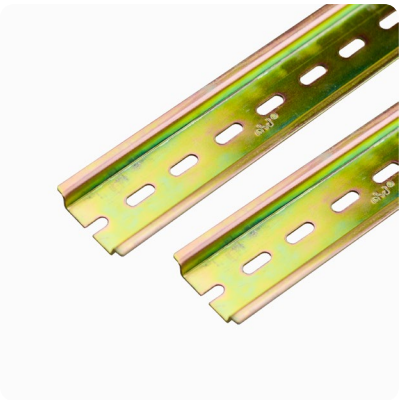


Product Code	Wire range (mm²)
ZB5	2.5
ZB6	4
ZB8	6 - 10
ZB10	16

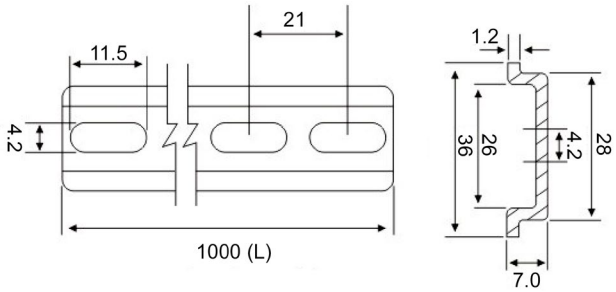


ALUMINIUM DIN RAIL





STEEL DIN RAIL



PLUG-IN TERMINAL BLOCK (CMK)







Product Code	CMK-412	CMK-413	CMK-415
Flexible lead 0.08-2.5(mm^2) 28-14(AWG). Rigidity lead 0.08-4(mm^2) 28-12(AWG)			
Connection method	Cage clamp® connection		
Current:	32A		
Voltage	400V		
Color	Grey		
No. of connection Points	2	3	5
Wiring type	Side Entry		







Product Code	PCT-213	PCT-215 (ZZ-215)	PCT-333 (CH-813)
	0.08-2.5 (4.0)mm2 28-12AWG	0.08-2.5 (4.0)mm2 28-12AWG	0.08-4mm2 28-12AWG
Connection method	Cage clamp® connection		
Current:	32A		
Voltage	250V/4KV		250V/600V
Color	Grey		
No. of connection Points	3	5	in/out 3-3
Wiring type	Side Entry		

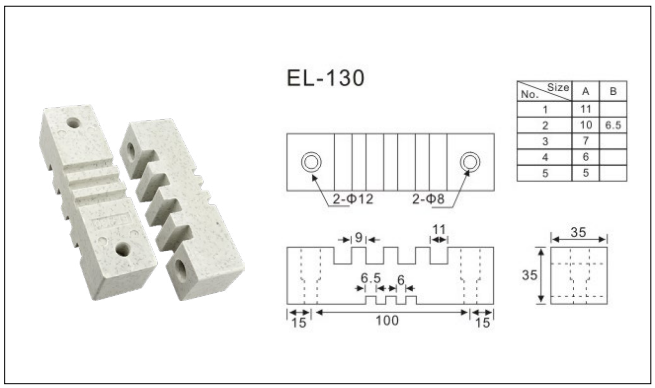


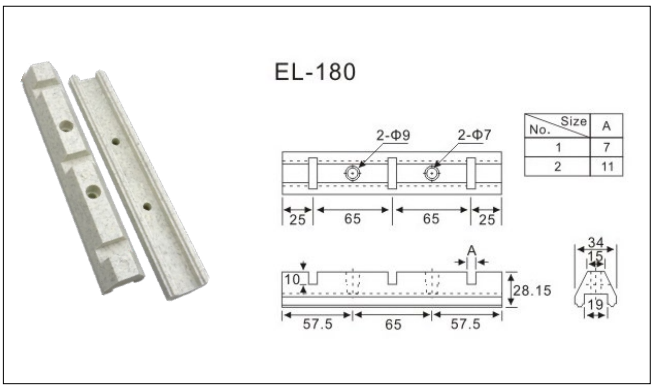


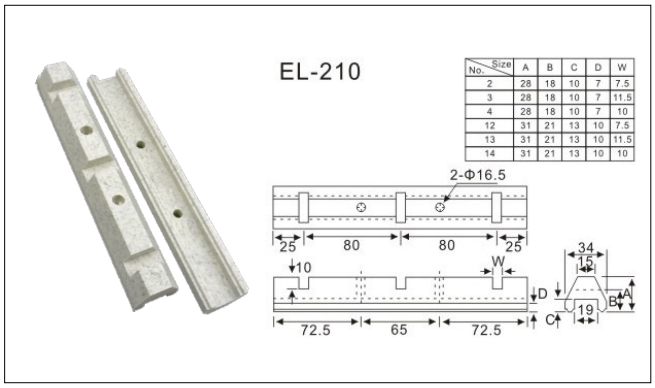
Operating Temperature:
-40~+140°C
Material:
BMC (Bough Moulding Compound),
SMC (Sheet Moulding Compound)

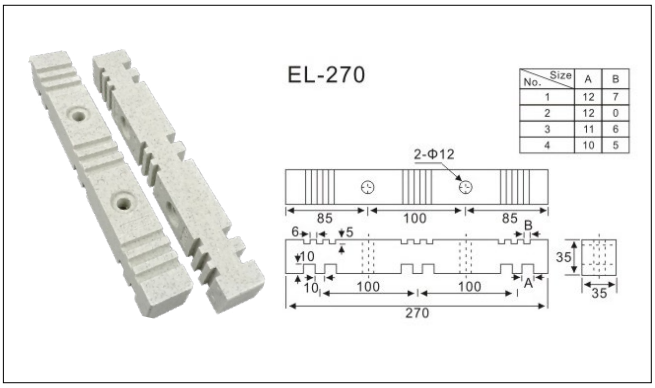
CE RoHS

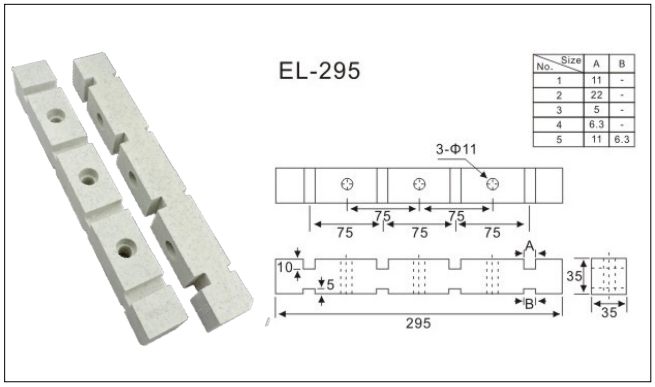
Product Code
EL130, EL180A, EL180B, EL210, EL270 Grey, EL270 Red, EL295, EL409

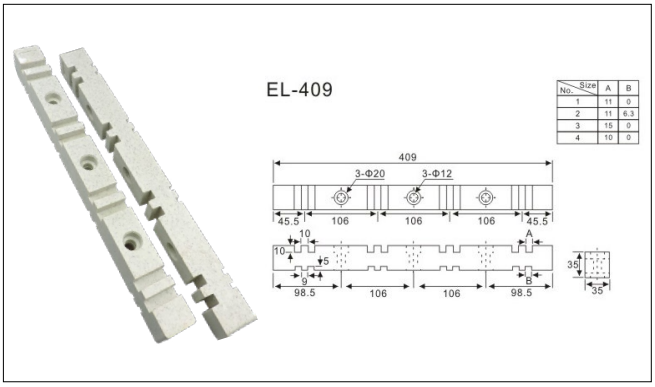






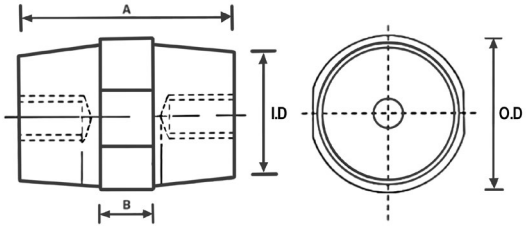






BUSBAR INSULATOR (SM)





Material: Brass, bulk molding compound, unsaturated polymer with fiber glass.
Good electrical resistance, heat resistance, fire resistance, low shrinkage and water resistance properties.

Color: Red

CE RoHS

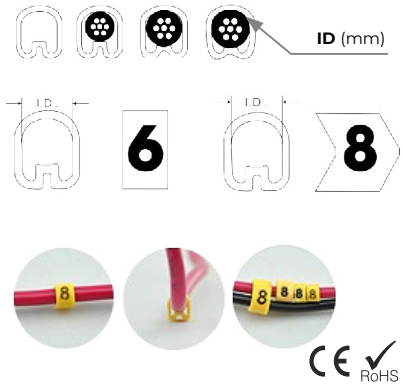
Product Code	Data				Dimensions (mm)				
	Tensile Strength (lbs)	Torgue Strength (ftlbs)	Breakdown Voltage (KV/mm)	Weight (g)	Screw	Height (A)	Height (B)	Inner Diameter (I.D)	Outer Diameter (O.D)
SM-25	550	6	6	28	M6	25	9	Ø23	29
SM-30	550	8	8	44	M6	30	10	Ø27	32
SM-35	600	10	10	50	M8	35	10	Ø28	32
SM-40	650	10	12	86	M8	40	12	Ø34	40
SM-51	1000	20	15	83	M8	51	11	Ø29	36
SM-76	1500	40	25	233	M10	76	15	Ø35	48

CABLE MARKER (EC)

Trading Brand FATO





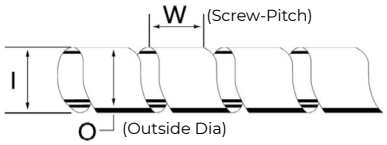


CE RoHS

Product Code	Approx. Wire		Markers	Packing (pcs/box)
	Cable cross-section (mm²)	Cable Diameter (mm)		
EC-0	0.75~1.5	0.5~3.2	0-9 +,-,-:-,/\ “,” “.” “ ” “ ” “ “ ’ ’ ’ ’ ’ A-Z	1000
EC-1	0.75~3.5	3.0~4.2		
EC-2	3.5~8.0	3.6~7.4		500
EC-J	2~8	0.5~7.0		

WRAPPING BAND (SWB)





Material: PE
Color: Black, light grey.
Packing: 10m/roll

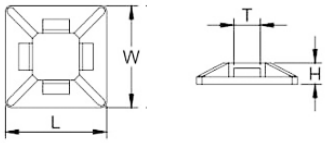
CE RoHS

Product Code	Inner Dia (mm)	Outside Dia (mm	Wrapping range (mm)	Screw-pitch (mm)
SWB-03	1.5	3	1.5-10	4
SWB-06	4	6	4-50	7
SWB-08	6	8	6-60	10.8
SWB-10	7.5	10	7.5-60	11.4
SWB-12	9	12	9-65	13.9
SWB-15	12	15	12-75	15
SWB-19	15	19	15-100	18.2
SWB-24	20	24	20-130	19.6
SWB-30	26	30	26-150	43

CABLE TIE MOTUNT (TM)

Trading Brand FATO





CE RoHS

Product Code	L × W	H (mm)	T (mm)	Screw Hole (mm)
TM-20	20x20	6.1	5.0	2.9
TM-25	25x25	7.5	6.2	3.5
TM-30	30x30	8.7	6.4	4.5
TM-40	40x40	6.4	10.8	/

CABLE MARKER STRIP (MS)

Trading Brand FATO





CE RoHS

Product Code	L (mm)	W (mm)	Thickness (mm)	Packing
MS-65	65	10	1.68	100
MS-95	90	10	1.68	100
MS-130	130	10	1.68	100

EMBROSSING MACHINE





TECHNICAL PARAMETERS

1. **Character-selection:** character rosette turnplate
2. **Internal 41 code characters:**
   Capitalization case of English letters (26): A~Z
   Arabic numerals (10): 0~9
   symbols (5): **× Ø . – /**
3. **Word spacing gap:** According to character dimension ascertains
4. **Operation mode:** manual
5. **Raised type lines:** Points nameplate request.
6. **Raised type location indication:** Indicating lamp and sample card
7. **Volume (L×D×H):** 340×300×180 (mm)
8. **Net weight of the machine:** 10.5 kg

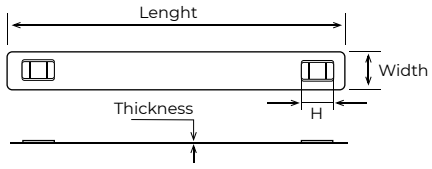
STAINLESS STEEL TAG

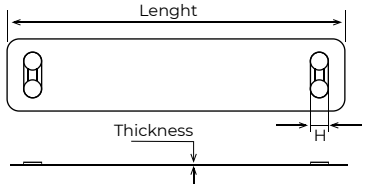






Characters (RT)





- **Material:** Stainless Steel Grade 304 or 316
- **Temperature:** -80°C to +538°C
- **Color:** Metallic

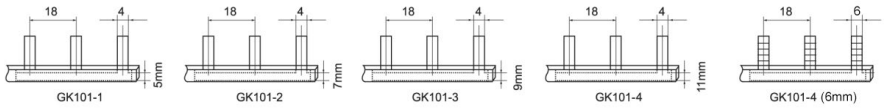
Can be processed according to customer's request.

Use manual marking machine or laser marking machine to engrave information on it.

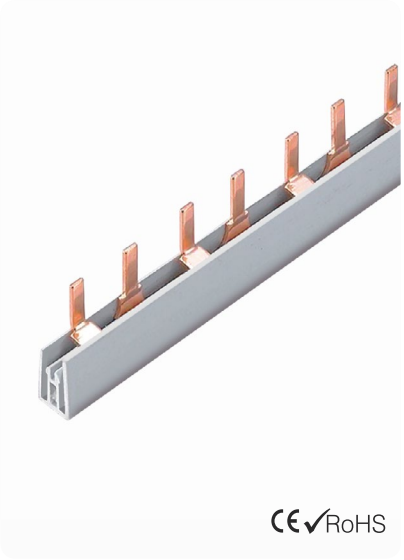
Product Code	Width		Length		Thickness		Width Hole (H)		Material	Shape of the hole	Packing
	mm	inch	mm	inch	mm	inch	mm	inch			
T8910	10	0.39	89	3.50	0.4	0.016	8.5	0.334	SS304	▭	100 pcs/bag
T8919	19	0.39	89	3.50	0.4	0.016	6.0	0.236	SS316	○	
SL8919	19	0.39	89	3.50	0.4	0.016	10.5	0.413	SS316	▭	



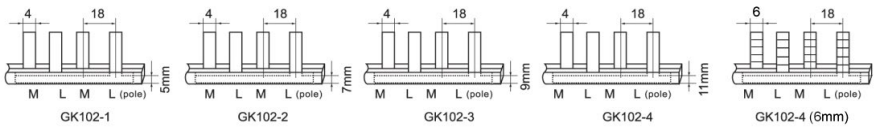
GK101 Series



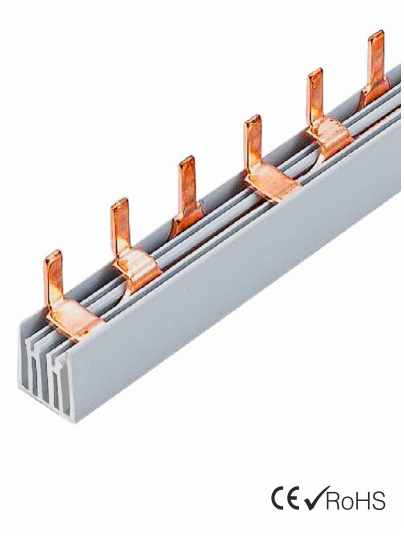
Model	GK101-1	GK101-2	GK101-3	GK101-4	GK101-4 6mm
Thickness (mm)	1.0	1.2	1.5	1.7	2.0
Cross Section (mm²)	6	10	13	15.3	15.3
Current (A)	32	40	63	100	100
Comb tooth width (mm)	4	4	4	4	6



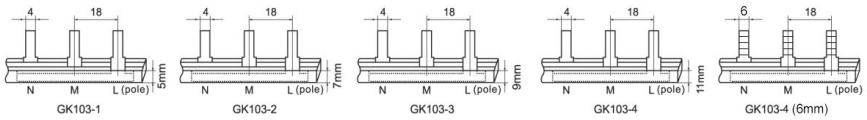
GK102 Series



Model	GK102-1	GK102-2	GK102-3	GK102-4	GK102-4 6mm
Thickness (mm)	1.0	1.2	1.5	1.9	2.1
Cross Section (mm²)	6	10	13	15.3	15.3
Current (A)	32	40	63	100	100
Comb tooth width (mm)	4	4	4	4	6



GK103 Series



Model	GK103-1	GK103-2	GK103-3	GK103-4	GK103-4 6mm
Thickness (mm)	1.0	1.2	1.5	1.9	2.1
Cross Section (mm²)	6	10	13	15.3	15.3
Current (A)	32	40	63	100	100
Comb tooth width (mm)	4	4	4	4	6

AC/DC FUSE HOLDER



CFPV-32X



RT18-32



RT18-32X

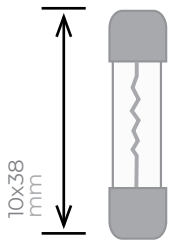


WSH-32

Values	Technique Information			
	CFPV-32X	RT18-32	RT18-32X	WSH-32
Description Electric	DC	AC	AC	AC
Pole	1P	1P	1P	1P
Mounting Method	DIN Rail	DIN Rail	DIN Rail	DIN Rail
Wiring Range (mm^2)	0.75-10	0.75-25	0.75-25	0.75-25
Fuse size (mm)	10x38	10x38	10x38	10x38
Rated Operational Current Ie	32A	32A (500V) / 25A (690V)	32A (380V) /25A (500V)	32A (500V) / 25A (690V)
Rated operational Voltage Ue	1000 V DC	500 V AC / 690 V AC	380V AC / 500 V AC	500 V AC / 690 V AC
Rated Insulation Voltage Ui	-	800V	500V	800V
Rated impulse withstand current Ipk	6kV	6kV	6kV	6kV
Led Voltage	-	110-690V AC / DC	-	-
IP	IP20	IP20	IP20	IP20
Reference standard	IEC 60269 EN 60269	IEC 60269-2 GB/T 13539.2	GB13539 IEC269	GB13539 IEC269

AC/DC FUSE



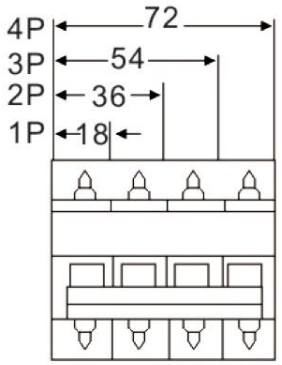


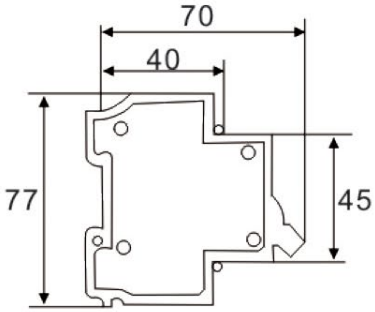
CF-10PV (DC)	**R10x38** (AC)	**Packing**
-	1 A	DC Fuse - 20 pcs/box - 120 pcs/carton AC Fuse - 10 pcs/box - 200 pcs/carton
-	2 A	
-	3 A	
-	5 A	
-	6 A	
-	10 A	
16 A	16 A	
20 A	20 A	
25 A	25 A	
32 A	32 A	

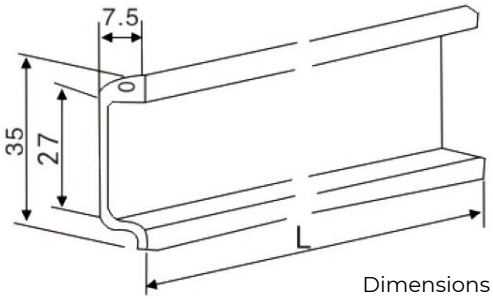




DZ47 series circuit breaker is used in lighting distribution system or motor distribution system for protecting overload and short-circuit in the system. The product is novel in structure, light in weight, reliable and excellent in performance.
It has high breaking capacity, can trip quickly and its installation uses with guide, its case and items are adopted with high fire-resistant and shockproof plastics. The product, with long life, is mainly used in **AC 50Hz/60Hz** single-pole 230V or two, three, four pole 400V circuit for overload and short-circuit protection as well as for unfrequent on-and off switching electric equipment and lighting circuit in normal case. The product complies with Gb10963, IEC898BS3871.



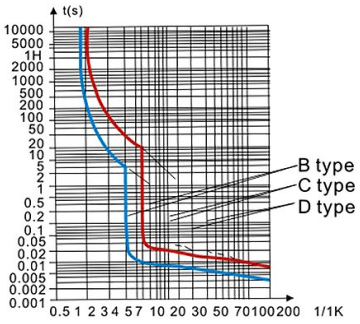


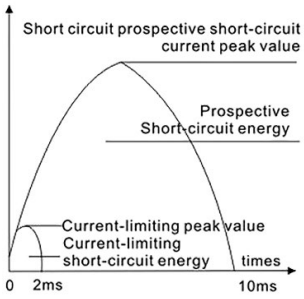


Dimensions of installed rail fig

Type	Rated Current IN (A)	Pole No.	Voltage Ue (V)	Breaking Capacity (A)
B	1,2,3,4,6,10,16, 20,25,32,40A	1	230/415	6000
		2, 3, 4	400	
	50,63A	1	230/415	4500
		2, 3, 4	400	
C	1,2,3,4,6,10,16, 20,25,32,40A	1	230/415	6000
		2, 3, 4	400	
	50,63A	1	230/415	4500
		2, 3, 4	400	
D	1,2,3,4,6,10,16, 20,25,32,40A	1	230/415	4500
		2, 3, 4	400	

Type	1P	2P	3P	4P
Weight	102 g	208 g	308 g	408 g





***Type B MCB**, this type of MCB will trip instantly at a rate of three to five times its rated current. These are normally used for resistive or small inductive loads where switching surges are very small. Therefore, these are suitable for residential or light commercial installations.*

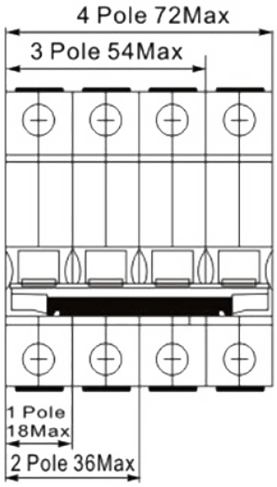
***Type C MCB,** this type of MCB will trip instantly at a rate of five to ten times its rated current. These are normally used for high inductive loads where switching surges are high such as small motors and florescent lighting. In such cases, type C MCBs are preferred to handle higher value of short circuit currents. Therefore, these are suitable for highly inductive commercial and industrial installations.*

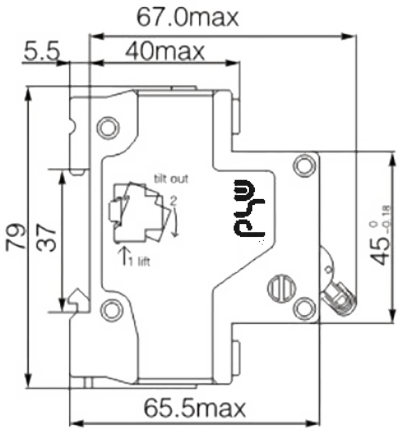
***Type D MCB,** this type of MCB will trip instantly at a rate of ten to twenty five times its rated current. These are normally used for very high inductive loads where high inrush current are very frequent. These are suitable for specific industrial and commercial applications. The common examples of such applications include x-ray machines, UPS systems, industrial welding equipment, large winding motors, etc..*











DZ47Z-63 series miniature circuit breakers is used in lighting distribution system or motor distribution system for protecting overload and short-circuit within the circuit of DC, rated voltage of single pole up to 750V, rated current of single pole up to 63A. It can also be used for an unfrequent switch over of the circuit and illumination under normal conditions. It conforms to IEC60898-2. GB/T14048.2.

Type	Pole	Rated Voltage (V)	Rated Current In (A)	Rated short segment (kA)	Capacity Indripping release type and current	Rated withstand impulse voltage	Mechanical life (times)
DZ47Z-63	1P	125V	6,10, 16,20,25,32, 40,50,63	6 (1~40A)	8In±20%	4kV	4000
	2P	250V		4(40~63A)			
	3P	500V					
	4P	750V					

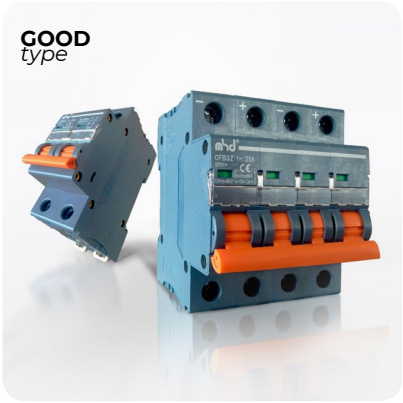
MINIATURE CIRCUIT BREAKER (MCB CFB3Z)

1 YEARS WARRANTY

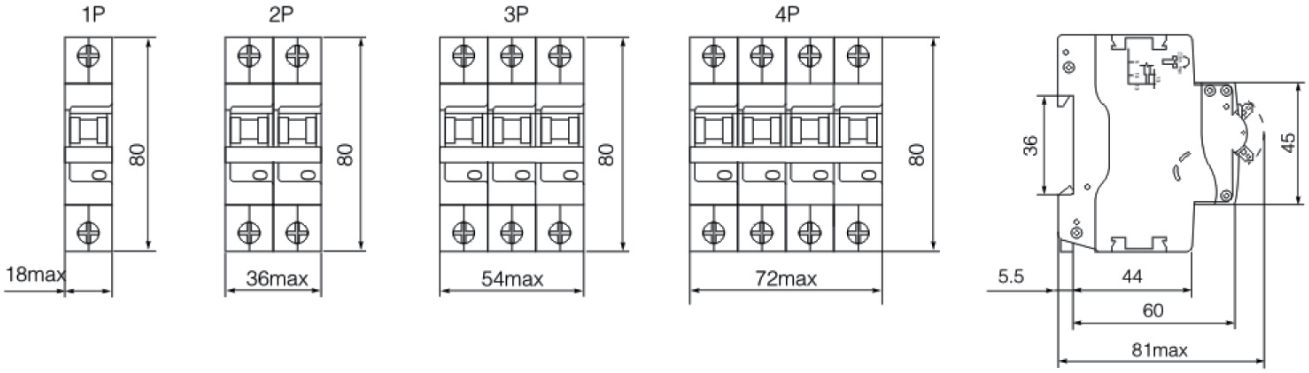
NORMAL *type*



GOOD *type*



CFB3Z series miniature circuit breakers is used in lighting distribution system or motor distribution system for protecting overload and short-circuit within the circuit of DC, **rated voltage of single pole up to 1000V**, rated current of single pole up to 63A. It can also be used for an unfrequent switch over of the circuit and illumination under normal conditions.
It conforms to IEC60898-2.GB/T14048.2.



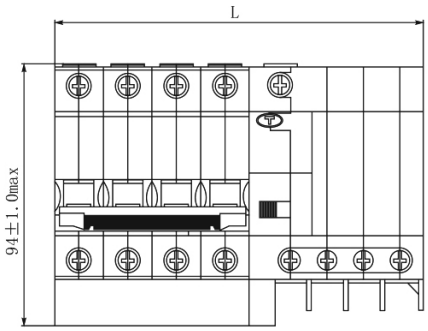
Type	Pole	Rated Voltage (V)	Rated Current In (A)	Rated short segment (kA)	Capacity Indripping release type and current	The maximum cross-section connecting wires (mm^2)	Mechanical life (times)
CFB3Z-63	1P	250V	1, 2, 3, 4, 6, 10, 16, 20, 25, 32, 40, 50, 63	6	8-12In	25	10000
	2P	500V					
	3P	750V					
	4P	1000V					

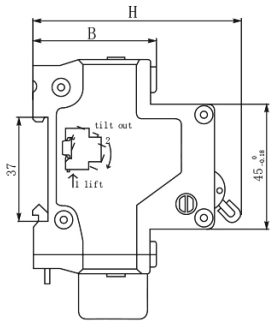


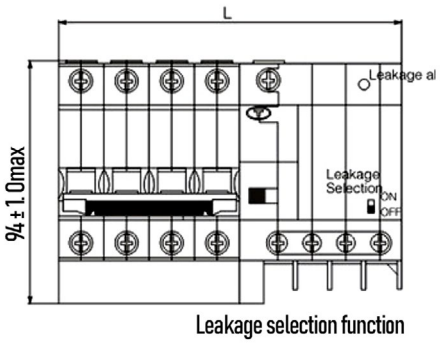


DZ47SLE-63 series earth leakage circuit breaker is suitable for the circuit of AC 50HZ / 60HZ with ratedvoltage up to 400V and rated current up to 63A .It can cut off fault power supply immediately to protectpersonal safety and electric equipment on the occasion of personal electrical shock or leakage currentbeyond rated value .It can also protect circuit and overload or short circuit of electromotor , used for infrequent changeover and starting in the circuit .

The breaker conforms to LEC61009-1 , GB16917 . 1.







Leakage selection function

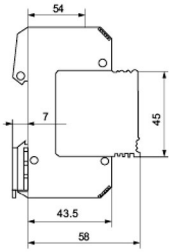
Pole	1P+N		2P		3P	
Inm	63		63		63	
(A)	≤ 32A	40A -63A	≤ 32A	40A -63A	≤ 32A	40A -63A
L(mm)	45 ±1.0	54 ±1.0	63 ± 1.0	72± 1.0	90 ±1.0	104± 1.0
H(mm)	71.5± 1.0		74.5 ± 1.0		74.5 ±1.0	
B(mm)	44.5±0.5		44.5 ±0.5		44.5±0.5	

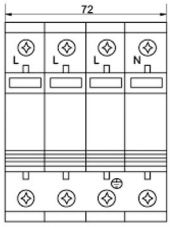
Pole	3P+N		4P	
Inm	63		63	
(A)	≤ 32A	40A -63A	≤ 32A	40A -63A
L(mm)	99 ±1.0	117 ± 1.0	117 ± 1.0	135± 1.0
H(mm)	74.5 ±1.0		74.5 ±1.0	
B(mm)	44.5 ± 0.5		44.5±0.5	











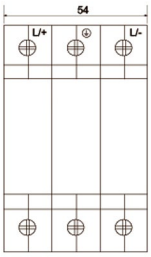
CHT1-B40 series surge protective device (in short :SPD, alias: surge protector, surge arrecter) is suitable for TT, TN-C, TN-S. IT ect. Power supply system of AC 50/60Hz, ≤ 380V, which protects the elective device not shocked by the thunder or surge over-voltage.

Techical Parameters		
Rated Operating Voltage Uc (V~)	380V 220V	380V 220V
Maximum Continuous Operating Voltage Uc (V~)	440V 275V	440V 275V
Voltage Protection Level Up (V~) kV	≤ 2.0	≤ 2.2
Nominal Discharge Current In (8/ μ 20 μ s) kA	15	20
Maximum Discharge Current Imax (8/ μ 20 μ s) kA	40	65
Response Time (ns)	< 25	
Operating Environment (°C)	-40°C ~ +85°C	
Relative Humidity (25°C)	≤ 95%	
Installation	Standard Rail 35mm	
Material of Outer Covering	Fiber glass reinforced plastic	









CHT1-B40 series solar surge protective device is suitable tor the new energy solar power generation system, its working voltage covers 500V. 800 V and 1000V. It is installed in the main power system at DC circuit, to protect againist the indirect lightning current, direct lightning current or other instantaneous over voltage.

Name	500V	800V	1000V
Series No.	CHT1 - B40	CHT1 - B40	CHT1 - B40
Specifications	36mm (x2 pcs)	36mm (x2 pcs)	36mm (x2 pcs)
Nominal capacity the flow In(kA 8/20 μ S)	20	20	20
Maximum flow capacity lanx(kA 8/20 μ S)	40	40	40
Protection level (kV)	2.2	2.4	2.6
Response time (ns)	25	25	25
Rated Voltage (VDC)	500	800	1000
Continuous to work Voltage (VDC)	550	880	1100
Leakage current 0.75U lmA(μ A)	≤20	≤20	≤20
Working temperature(°C)	-40~+85	-40~+85	-40~+35







CFM1 series moulded case circuit breaker is a new type product developed and manufactured by adopting international advanced technology. It is supplied with rated insulation voltage 800V and used for circuit of AC 50Hz,rated operation voltage AC 400V or below rated operation current up to 800A for infrequent changing over and starting of the motors.
The product conforms to IEC60947-2 stardard.

Type	Rated Current (A)	No. of Poles	Rated Insulation Voltage (V)	Rated Insulation Voltage (V)	Arcing-Over Distance (mm)	Ultimate Short Circuit Breaking Capacity (KA)	Service Short Circuit Breaking Capacity (KA)	Operation Performance On/Off
CFM1-63L	6, 10, 16, 20, 25, 32 40, 50, 63	3P 4P	600V	380V	0	25	18	1500 8500
CFM1-63M					0	50	35	
CFM1-100C	10, 16 20, 25, 32, 40, 50, 63 80, 100				0	25	18	
CFM1-100L					0(0≤50)	35	22	
CFM1-100M					0(0≤50)	50	35	
CFM1-100H					0(0≤50)	85	50	
CFM1-225C	100 125 160 180 200				0≤50	25	18	1000 7000
CFM1-225L					0≤50	35	22	
CFM1-225M					0≤50	50	35	
CFM1-225H					0≤50	85	50	
CFM1-400C	225 250 315 350 400				0≤50	35	25	1000 4000
CFM1-400L					0≤50	50	35	
CFM1-400M					0≤50	65	42	
CFM1-630C					0≤100	35	25	
CFM1-630L	400 500 630				0≤100	50	35	
CFM1-630M					0≤100	65	42	
CFM1-630H					0≤100	100	65	
CFM1-630M	630 700 800				0≤100	65	42	
CFM1-630H					0≤100	100	65	

CONSTANT SPRING (LOXO)





PRODUCT FEATURE:

1. Constant pressure for commutator in any brush length.
2. Increases brush life, reduces electrical wear.
3. Compact design for smaller motor overall diameter.
4. Allows longer brushes and larger commutators.
5. Reduces spark, lower influence of electromagnetic interference. (EMI)

Constant spring is made by winding the steel strip into a coil which exerts a nearly constant retraining force to resist uncoiling. By comparing the differences between constant force spring and traditional wire springs, the advantages will be obtain as following: To exert nearly constant force during entire extension. Short initial deflection, it means that reaching the rated load at short extension.

Product Code	Inner Diameter (mm)	Number of rounds	Width (mm)	Thickness (mm)
Loxo 12 MM	Ø 12	7	15	0.18
Loxo 14 MM	Ø 14	7	15	0.20
Loxo 16 MM	Ø 16	7	15	0.22
Loxo 18 MM	Ø 18	7	15	0.25
Loxo 20 MM	Ø 20	7	15	0.27
Loxo 26 MM	Ø 26	7	15	0.32
Loxo 25 *20 MM	Ø 25	7	20	0.35
Loxo 32 MM	Ø 32	7	20	0.40
Loxo 36 MM	Ø 36	7	20	0.45
Loxo 40 MM	Ø 40	7	20	0.50
Loxo 45 MM	Ø 45	7	20	0.50
Loxo 55 MM	Ø 55	7	20	0.55
Loxo 60 MM	Ø 60	7	20	0.60
Loxo 70 MM	Ø 70	7	20	0.60







- HDPE pipe straight is product specialized to protect electric cable in underground projects comply standards DIN 8074 and DIN 8075.
- Products made from Hight Density Polyethylene raw materials (HDPE) and supplement auxiliary matter to strengthen ability against oxygen.
- HDPE plastic pipes straight are manufactured with different sizes to meet the needs not only cable protection is expected, but also redundant cable source.
- Colors on orders, the inside and glossy surface is resistant to the aging of the severe weather conditions and time.

No.	Outside diameter (nominal size) Comply AS 1477:1	Outside diameter Average (mm)	Thickness (mm)	Pressure Nominal (bar)
1	Ø 20	20 + 0,3	1,8 + 0,4	PN 16
2	Ø 21	20 + 0,3	2,0 + 0,4	PN 16
3	Ø 22	20 + 0,3	2,3 + 0,4	PN 20
4	Ø 25	25 + 0,3	1,8 + 0,4	PN 12,5
5	Ø 25	25 + 0,3	1,8 + 0,4	PN 16
6	Ø 25	25 + 0,3	2,0 + 0,4	PN 12,5
7	Ø 25	25 + 0,3	2,3 + 0,4	PN 16
8	Ø 25	25 + 0,3	3,0 + 0,4	PN 20
9	Ø 32	32 + 0,3	1,9 + 0,4	PN 10
10	Ø 32	32 + 0,3	2,4 + 0,5	PN 12,5
11	Ø 32	32 + 0,3	3,0 + 0,5	PN 16
12	Ø 40	40 + 0,4	2,0 + 0,4	PN 8
13	Ø 40	40 + 0,4	2,3 + 0,5	PN 10
14	Ø 40	40 + 0,4	3,5 + 0,6	PN 12,5
15	Ø 40	40 + 0,4	3,7 + 0,6	PN 16
16	Ø 40	40 + 0,4	4,5 + 0,6	PN 20
17	Ø 50	50 + 0,5	2,0 + 0,4	PN 6
18	Ø 50	50 + 0,5	2,4 + 0,5	PN 8
19	Ø 50	50 + 0,5	2,9 + 0,5	PN 10
20	Ø 50	50 + 0,5	3,7 + 0,6	PN 12,5
21	Ø 50	50 + 0,5	4,6 + 0,7	PN 16
22	Ø 50	50 + 0,5	5,6 + 0.7	PN 20
23	Ø 63	63 + 0,6	2,5 + 0,5	PN 6
24	Ø 63	63 + 0,6	3,0 + 0,5	PN 8
25	Ø 63	63 + 0,6	3,8 + 0,6	PN 10
26	Ø 63	63 + 0,6	4,7 +0,7	PN 12,5
27	Ø 63	63 + 0,6	5,8 + 0,8	PN 16
28	Ø 63	63 + 0,6	7,1 + 0.8	PN 20

No.	Outside diameter (nominal size) Comply AS 1477:1	Outside diameter Average (mm)	Thickness (mm)	Pressure Nominal (bar)
29	Ø 75	75 + 0,7	2,9 + 0,5	PN 6
30	Ø 75	75 + 0,7	3,6 + 0,6	PN 8
31	Ø 75	75 + 0,7	4,3 + 0,7	PN 10
32	Ø 75	75 + 0,7	5,6 + 0,8	PN 12,5
33	Ø 75	75 + 0,7	6,8 + 0,9	PN 16
34	Ø 75	75 + 0,7	8,4 + 0,9	PN 20
35	Ø 90	90 + 0,9	3,5 + 0,6	PN 6
36	Ø 90	90 + 0,9	4,3 + 0,7	PN 8
37	Ø 90	90 + 0,9	5,1 + 0,8	PN 10
38	Ø 90	90 + 0,9	6,7 + 0,9	PN 12,5
39	Ø 90	90 + 0,9	8,2 + 1,1	PN 16
40	Ø 90	90 + 0,9	10,1 + 1,1	PN 20
41	Ø 110	110 + 1,0	4,2 + 0,7	PN 6
42	Ø 110	110 + 1,0	5,3 + 0,8	PN 8
43	Ø 110	110 + 1,0	6,3 + 0,9	PN 10
44	Ø 110	110 + 1,0	8,1 + 1,1	PN 12,5
45	Ø 110	110 + 1,0	10,0 + 1,2	PN 16
46	Ø 110	110 + 1,0	12,3 + 1,2	PN 20
47	Ø 125	125 + 1,2	4,8 + 0,7	PN 6
48	Ø 125	125 + 1,2	6,0 + 0,8	PN 8
49	Ø 125	125 + 1,2	7,1 + 1,0	PN 10
50	Ø 125	125 + 1,2	9,2 + 1,2	PN 12,5
51	Ø 125	125 + 1,2	11,4 + 1,4	PN 16
52	Ø 125	125 + 1,2	14,0 + 1,4	PN 20
53	Ø 140	140 + 1,3	5,4 + 0,8	PN 6
54	Ø 140	140 + 1,3	6,7 + 0,9	PN 8
55	Ø 140	140 + 1,3	8,0 + 1,0	PN 10
56	Ø 140	140 + 1,3	10,3 + 1,3	PN 12,5
57	Ø 140	140 + 1,3	12,7 + 1,5	PN 16
58	Ø 140	140 + 1,3	15,7 + 1,5	PN 20
59	Ø 160	160 + 1,5	6,2 + 0,9	PN 6
60	Ø 160	160 + 1,5	7,7 + 1,0	PN 8
61	Ø 160	160 + 1,5	9,1 + 1,2	PN 10
62	Ø 160	160 + 1,5	11,8 + 1,4	PN 12,5
63	Ø 160	160 + 1,5	14,6 + 1,7	PN 16
64	Ø 160	160 + 1,5	17.9 + 1.7	PN 20
65	Ø 180	180 + 1,7	6,9 + 0,9	PN 6
66	Ø 180	180 + 1,7	8,6 + 1,1	PN 8
67	Ø 180	180 + 1,7	10,2 + 1,3	PN 10
68	Ø 180	180 + 1,7	13,3 + 1,6	PN 12,5
69	Ø 180	180 + 1,7	16,4 + 1,9	PN 16
70	Ø 180	180 + 1,7	20,1 + 1,9	PN 20
71	Ø 200	200 + 1,8	7,7 + 1,0	PN 6
72	Ø 200	200 + 1,8	9,6 + 1,2	PN 8
73	Ø 200	200 + 1,8	11,4 + 1,4	PN 10
74	Ø 200	200 + 1,8	14,7 +1,7	PN 12,5

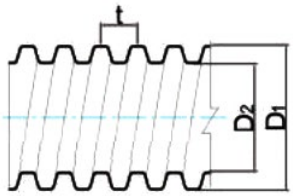
No.	Outside diameter (nominal size) Comply AS 1477:1	Outside diameter Average (mm)	Thickness (mm)	Pressure Nominal (bar)
75	Ø 200	200 + 1,8	18,2 + 2,1	PN 16
76	Ø 200	200 + 1,8	22,4 + 2,1	PN 20
77	Ø 225	225 + 2,1	8,6 + 1,1	PN 6
78	Ø 225	225 + 2,1	10,8 + 1,3	PN 8
79	Ø 225	225 + 2,1	13,4 + 1,5	PN 10
80	Ø 225	225 + 2,1	16,6 + 1,9	PN 12,5
81	Ø 225	225 + 2,1	20,5 + 2,3	PN 16
82	Ø 225	225 + 2,1	25,2 + 2,3	PN 20
83	Ø 250	250 + 2,3	9,6 + 1,2	PN 6
84	Ø 250	250 + 2,3	11,9 + 1,4	PN 8
85	Ø 250	250 + 2,3	14,2 + 1,7	PN 10
86	Ø 250	250 + 2,3	18,4 + 2,1	PN 12,5
87	Ø 250	250 + 2,3	22,7 + 2,5	PN 16
88	Ø 250	250 + 2,3	27,9 + 2,5	PN 20
89	Ø 280	280 + 2,5	10,7 + 1,3	PN 6
90	Ø 280	280 + 2,5	13,4 + 1,6	PN 8
91	Ø 280	280 + 2,5	16,6 + 1,8	PN 10
92	Ø 280	280 + 2,5	20,6 + 2,3	PN 12,5
93	Ø 280	280 + 2,5	25,4 + 2,8	PN 16
94	Ø 280	280 + 2,5	31,3 + 2,8	PN 20
95	Ø 315	315 + 2,7	7,7 + 1,0	PN 4
96	Ø 315	315 + 2,7	9,7 + 1,2	PN 5
97	Ø 315	315 + 2,7	12,1+ 1,5	PN 6
98	Ø 315	315 + 2,7	15,0 + 1,7	PN 8
99	Ø 315	315 + 2,7	17,0 + 2,1	PN 10
100	Ø 315	315 + 2,7	23,2 + 2,6	PN 12,5
101	Ø 315	315 + 2,7	28,6 + 3,1	PN 16
102	Ø 315	315 + 2,7	35,2 + 3,1	PN 20
103	Ø 355	355 + 3,0	13,6 + 1,6	PN 6
104	Ø 355	355 + 3,0	16,9 + 1,8	PN 8
105	Ø 355	355 + 3,0	21,1 + 2,2	PN 10
106	Ø 355	355 + 3,0	26,1 + 2,7	PN 12,5
107	Ø 355	355 + 3,0	32,2 + 3,2	PN 16
108	Ø 355	355 + 3,0	39.7 + 3,2	PN 20
109	Ø 400	400 + 3,3	15,3 + 1,8	PN 6
110	Ø 400	400 + 3,3	19,1 + 2,0	PN 8
111	Ø 400	400 + 3,3	23,7 + 2,4	PN 10
112	Ø 400	400 + 3,3	29,4 + 2,9	PN 12.5
113	Ø 400	400 + 3,3	36,3 + 3,4	PN 16
114	Ø 400	400 + 3,3	44,7 + 3,4	PN 20
115	Ø 450	450 + 3,5	17,2 + 2,0	PN 6
116	Ø 450	450 + 3,5	21,5 + 2,2	PN 8
117	Ø 450	450 + 3,5	26,7 + 2,6	PN 10
118	Ø 450	450 + 3,5	33,1 + 3,1	PN 12.5
119	Ø 450	450 + 3,5	40,9 + 3,6	PN 16
120	Ø 450	450 + 3,5	50,3 + 3,6	PN 20

No.	Outside diameter (nominal size) Comply AS 1477:1	Outside diameter Average (mm)	Thickness (mm)	Pressure Nominal (bar)
121	Ø 500	500 + 3,7	19,1 + 2,2	PN 6
122	Ø 500	500 + 3,7	23,9 + 2,5	PN 8
123	Ø 500	500 + 3,7	29,7 + 2,9	PN 10
124	Ø 500	500 + 3,7	36,8 + 3,4	PN 12.5
125	Ø 500	500 + 3,7	45,4 + 3,9	PN 16
126	Ø 500	500 + 3,7	55,8 + 3,9	PN 20
127	Ø 560	560 + 3,9	21,4 + 2,4	PN 6
128	Ø 560	560 + 3,9	26,7 + 2,7	PN 8
129	Ø 560	560 + 3,9	33,2 + 3,2	PN 10
130	Ø 560	560 + 3,9	41,2 + 3,8	PN 12.5
131	Ø 560	560 + 3,9	50,8 + 4,4	PN 16
132	Ø 560	560 + 3,9	21,4 + 4,4	PN 6
133	Ø 630	630 + 4,2	24,1 + 2,6	PN 6
134	Ø 630	630 + 4,2	30,0 + 2,9	PN 8
135	Ø 630	630 + 4,2	37,4 + 3 ,4	PN 10
136	Ø 630	630 + 4,2	46,3 + 4,0	PN 12.5
137	Ø 630	630 + 4,2	57,2 + 4,6	PN 16
138	Ø 630	630 + 4,2	24,1 + 4,6	PN 6
139	Ø 710	710 + 4,6	27,2 + 2,9	PN 6
140	Ø 710	710 + 4,6	33,9 + 3,2	PN 8
141	Ø 710	710 + 4,6	42,1 + 3,7	PN 10
142	Ø 710	710 + 4,6	52,2 + 4,5	PN 12.5
143	Ø 710	710 + 4,6	64,5 + 5,3	PN 16
144	Ø 710	710 + 4,6	27,2 + 5,3	PN 6
145	Ø 800	800 + 5,0	30,6 + 3,2	PN 6
146	Ø 800	800 + 5,0	38,1 + 3,6	PN 8
147	Ø 800	800 + 5,0	47,4 + 4,4	PN 10
148	Ø 800	800 + 5,0	58,8 + 5,2	PN 12.5
149	Ø 800	800 + 5,0	72,6 + 6,0	PN 16
150	Ø 800	800 + 5,0	30,6 + 6,0	PN 6
151	Ø 900	900 + 6,0	34,4 + 3,5	PN 6
152	Ø 900	900 + 6,0	42,9 + 4,0	PN 8
153	Ø 900	900 + 6,0	53,3 + 4,8	PN 10
154	Ø 900	900 + 6,0	66,2 + 5,5	PN 12.5
155	Ø 900	900 + 6,0	81,7 + 6,4	PN 16
156	Ø 900	900 + 6,0	34,4 + 6,4	PN 6
157	Ø 1000	1000 + 7,0	38,2 + 3,8	PN 6
158	Ø 1000	1000 + 7,0	47,7 + 4,4	PN 8
159	Ø 1000	1000 + 7,0	59,3 + 5,2	PN 10
160	Ø 1000	1000 + 7,0	72,5 + 6,0	PN 12.5
161	Ø 1000	1000 + 7,0	90,2 + 6,8	PN 16
162	Ø 1000	1000 + 7,0	38,2 + 6,8	PN 6
163	Ø 1200	1200 + 8,0	45,9 + 4,1	PN 6
164	Ø 1200	1200 + 8,0	57,2 + 4,7	PN 8
165	Ø 1200	1200 + 8,0	67,9 + 5,5	PN 10









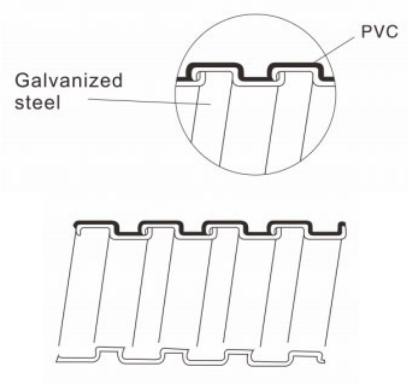
- HDPE material, have many color such as: black, orange, etc.
- The length of roll shall be changed follow to customer's demand.

No.	Pipe size	Outside diameter D1 (mm)	Outside diameter D2 (mm)	Pitch (t) (mm)	Standard leng per coil (m)	Min. Bending radius (mm)	Standard outer diameter and height of coil (m)
1	**ELP 25**	32 ± 2,0	25 ± 2,0	8 ± 0,5	200	130	1,0x0,50
2	**ELP 30**	40 ± 2,0	30 ± 2,0	10 ± 0,5	200	150	1,2x0,50
3	**ELP 40**	50 ± 2,0	40 ± 2,0	13 ± 0,8	200	180	1,3x0,40
4	**ELP 50**	65 ± 2,0	50 ± 2,0	17 ± 1,0	100	200	1,3x0,40
5	**ELP 65**	85 ± 2,5	65 ± 2,5	21 ± 1,0	100	250	1,6x0,60
6	**ELP 72**	90 ± 3,0	72 ± 3,0	22 ± 1,5	100	250	1,6x0,60
7	**ELP 80**	105 ±3,0	80 ± 3,0	25 ± 1,0	100	300	1,7x0,60
8	**ELP 90**	110 ± 3,0	90 ± 3,0	25 ± 1,0	100	350	1,9x0,75
9	**ELP 90**	112 ± 3,0	90 ± 3,0	25 ± 1,0	100	350	1,8x0,75
10	**ELP100**	130 ±4,0	100 ± 4,0	30 ± 1,0	100	400	1,9x0,70
11	**ELP125**	160 ±4,0	125 ± 4,0	38 ± 1,0	100	400	2,1x0,95
12	**ELP150**	188 ±5,0	150 ± 5,0	45 ± 1,5	50	500	2,3x0,75
13	**ELP150**	195 ±5,0	150 ± 5,0	45 ± 1,5	50	550	2,5x1,20
14	**ELP160**	200 ± 5,0	160 ± 5,0	50 ± 1,5	50	500	2,5x0,85
15	**ELP175**	230 ± 5,0	175 ± 5,0	55 ± 1,5	50	600	2,6x0,85
16	**ELP 200**	260 ± 6,0	200 ± 6,0	60 ± 1,5	50	750	2,6x0,85
17	**ELP 250**	320 ±6,0	250 ± 6,0	70 ± 1,5	30	870	3,3x1,00









Description:
- Galvanized steel core, PVC jacketed
- Light style, high flexibility and waterproof, corrosion resistant, sunlight resistant
- Application area: Protect cable and wire on transportation system engineering/ autocontrol equipment/ transmission and distribution system/communication system/ship/mansion/plant/outdoors.

Product Code	Inch Size	Inside Diameter (mm)		Outside Diameter (mm)		Length of Roll
		Min	Max	Min	Max	Meter
OK 3/8	3/8"	12.3	13.2	15.8	16.2	50
OK 1/2	1/2"	15.8	16.3	19.8	20.1	50
OK 3/4	3/4"	19.8	20.3	24.9	25.3	50
OK 1	1"	24.8	26.2	31.8	32.1	50
OK 1 1/4	1 1/4"	30.9	31.2	39.8	40.1	50
OK 1 1/2	1 1/2"	37.8	38.1	44.9	45.2	50
OK 2	2"	50.9	51.3	62.9	63.2	25
OK 2 1/2"	2 1/2"	62.8	63.2	74.7	75.2	20

Related Accessories

Product Code	**DPJ** (External Thread)	**DPN** (Inner Thread)	**DKJ** (No Thread)	**DGJ** (Coupling)	**IRS** (Protective Terminal)
Ø3/8'' Ø1/2'' Ø3/4'' Ø1'' Ø1 -1/4'' Ø1 -1/2'' Ø2'' Ø2-1/2'' Ø3'' Ø4''					

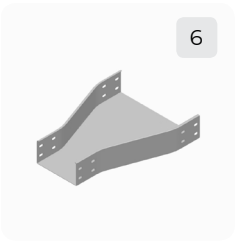






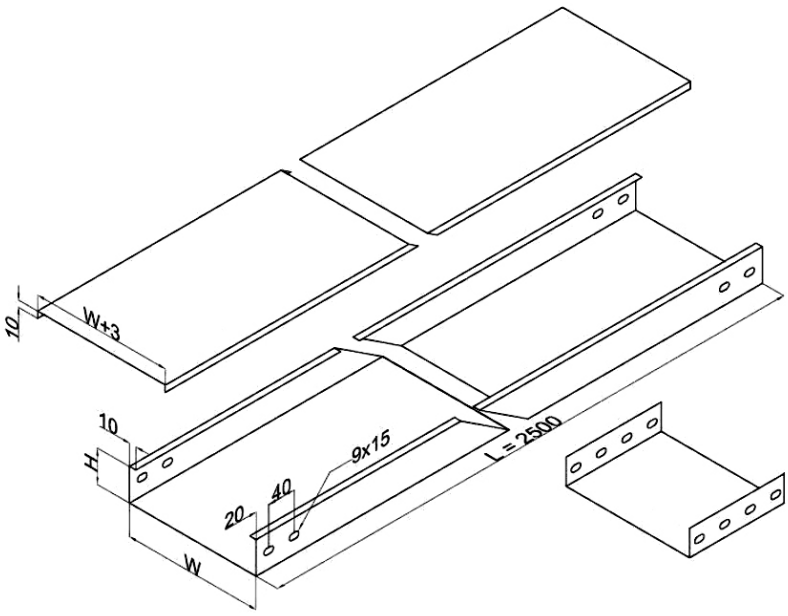






1. Trunking
2. Flat bend trunking
3. Flat four way trunking
4. Internal bend trunking
5. External bend trunking
6. Reducer trunking

Cable trunking is the conduit used for the installation of electrical wires and cables in factories, apartments, buildings
Materials: Powder coated steel sheet, galvanized steel sheet, Inox 201, 304, 316 and especially hot-dip galvanized steel sheet
Length: 2.4m, 2.5m or 3.0m / bar
Width: 50 ÷ 500 mm.
Height: 30 ÷ 200 mm.
Colors: White, gray, creamy or orange.

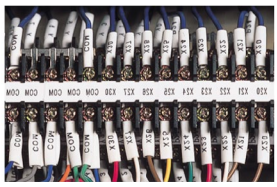


Dimension (mm)		Thickness (mm)
H	W	
40	60	0.8
50	50	0.8
50	75	0.8
50	100	0.8
50	150	1
50	200	1
50	300	1.5
75	75	0.8
75	100	1
75	150	1
75	200	1.2
75	300	1.5
100	100	1
100	150	1
100	200	1.2
100	300	1.5
150	150	1
150	200	1.2
150	300	1.5









LARGE BUILT-IN MEMORY STORAGE
LM-550A/PC can save 250,000 characters (5,000 characters/ file, up to 50 files) in its built-in memory storage.

CONNECT TO YOUR PC WITH USB
LM-550A/PC features USB port for adirect cable connection with a Windows PC (for direct printing or file transfers),and a USB flash drive slot for tranferring computer files made in our dedicated “LETATWIN PC EDITOR” software.

VERSATILE MARKING CAPABILITIES
Various marking media and sizes are now supported by the LM-550A

- PVC Tubes: Internal Diameter 1.5~8.0mm
- Heat Shrink Tubes: Internal Diameter 2.0~6.5mm
- Max Dedicated Tapes: 5mm/9mm/12mm wide
- ID Plates
- Oval Tubes

MAX ELECTRONIC LETTERING MACHINE LM-550A/PC	
Dimensions	295 (W) x 393 (D) x 94 (H)mm
Weight	2.4 kg
Printing method	Thermal transfer method (300dpi)
Display	LCD dot matrix: 64 x 160Pixel (Backlit)
Printing speed	40mm/s(Standard) 20mm/s(Low temperature mode)
Maximum printing length	Tube : 20 m, Tape : 5 m By multipule copy printing, maximum 30 copies. Upto Tube : 100m, Tape : 7m
Maximum character input	5,000 characters per file
Character size	1.3, 2, 3, 4, 6 mm height
Usable tube size	PVC Tube: Diameter 1.5 mm ~ 8.0 mm [for 1.5~2.0mm diameter tubes, the dedicated attacthment is required. Included with purchase]. Heat Shrinkable Tube: Diameter 2.0 mm ~ 6.5 mm.
Usable tape size	Width 5,9,12 mm (MAX genuine tape)
Tube cutting method	Auto half cut, manual full cut
Internal memory	250,000 characters (Maximum 50 files)
External memory	USB memory
Interface	USB 2.0 full speed
Power supply	DC 12V, 3.0A [Use only specified AC adapter (100V-240V) included in the package.]
Power consumption	30W (max.)
Operating environment	10 to 35 degrees celcius

TUBE FOR LETTER TWIN





Applications:
Used to print equipment labels in applications such as electrical panel making, electrical control construction, telecommunications network construction, electrical system maintenance, ...

Product Code	Size (mm)	Lenght (m)	Used for core wire (mm²)
LM-TU315N	Ø 1.5	100m	< 0.5
LM-TU320N	Ø 2.0	100m	< 0.5
LM-TU325N	Ø 2.5	100m	0.5 - 0.75
LM-TU332N	Ø 3.2	100m	0.75 - 1.5
LM-TU336N	Ø 3.6	100m	1.5 - 2.5
LM-TU342N	Ø 4.2	80m	2.5 - 4.0
LM-TU346N	Ø 4.6	85m	2.5 - 4.0
LM-TU352N	Ø 5.2	80m	4.0 - 6.0
LM-TU360N	Ø 6.0	45m	4.0 - 6.0
LM-TU364N	Ø 6.4	50m	6.0 - 8.0
LM-TU370N	Ø 7.0	35m	6.0 - 10.0
LM-TU380N	Ø 8.0	30m	10.0 - 16.0
LM-TU390N	Ø 9.0	30m	16.0 - 25.0
LM-TU3100N	Ø 10.0	30m	25.0 - 35.0

INK RIBBON FOR LM-5XX

Trading Brand
MAX





Print method: Thermal transfer
Print effect: Clear printing
Applications:
Use for the electronic lettering machine LM-550/LM-390/LM-380

Item.No.	Length per Roll (m)	Width (mm)
LM-IR50B	110	12
LM-IR500B	110	12
LM-IR300B	50	12





- **Material (**):** ABS, Iron
- **Number of module:** 2 – 42 pcs
- **Standards:** BS 5486-1, IEC439-3.
- **Ingress Protection:** IP40.

*** Include Din rail & brass busbar**

*** Material ABS for: 2-14 module*
Material Iron for: 15-42 Module

Item.No.	Number of Module	Surface Mounted Dimension (mm)	Flush Mounted Dimension (mm)
A2-PP	2-4	151x172x97	123x152x77
HD2-4	2-4	151x172x97	123x152x77
HD5-7	5-7	196x210x97	167x192x77
HD8-10	8-10	250x210x97	221x192x77
HD11-14	11-14	323x210x97	292x192x77
HD15-18	15-18	394x210x97	364x192x77
HD19-22	19-22	466x210x97	436x192x77
HD22-28	22-28	320x418x97	290x400x75
HD30-34	30-34	392x418x97	365x400x75
HD36-42	36-42	465x418x97	435x400x75

11-14 MODULES











22-28 MODULES















Protection Level: IP 65

Material: Polycabonate (PC Plastic)

Application for:

Waterproof, dustproof, fireproof corrosion-proof and UV Protection

Mounting:

Flush Mounting,
Surface Mounting

Standard: IEC 60529 EN 60309

Item.No.	Number of module	Dimension (mm)		
		Width	Length	Height
SH4PN	4	107	92	212
SH6PN	6	165	100	200
SH9PN	9	219	100	200
SH12PN	12	273	110	230
SH18PN	18	381	110	230
SH24PN	24	273	110	380
SH36PN	36	381	110	380



SH4PN



SH6PN



SH9PN



SH12PN



SH18PN



SH24PN



SH36PN







Junction box (used for sectional area 1.5mm^2-240mm^2 of conductors. IP65/IP54).

Series Junction boxes are made in puncture-resistance high-strength engineering plastics, which has features of waterproof, dampproof, dustproof and anti-corrosion.

This superior engineering material meets the high requirements of industrial distributing system, such as all insulation, IP rating as high as IP65, anticorrosion, high mechanical strength, well designed, easily installation, anti-heat, maintenance free, flame retardant, self-extinction, light weight and etc.

The long term economic benefit is higher than normal metal distribution boxes. So it's high quality with reasonable prices.

Item.No.	Dimension (mm)		
	Width	Length	Height
9125	53	88	88
9025	53	88	88
9045	61	98	98
9065	70	139	119
9105	82	167	125
9255	98	200	160





DIMENSION: 340 X 270 X 330 MM

Box can be equipped with others electrical accessories as preferred

MHD code	Main components	Specifications	Brand	Quantity
MSB -01	Electrical enclosure	340x370x330 mm	MHD	01
	Sockets industrial 63A	380-500V~2P+E; IP67-6h	SFE	02
	Sockets industrial 16A	220-240V~2P+E; IP67-6h	SFE	06
	MCB 4P	63A-4kA	MHD	01
	MCB 3P	63A-4kA	MHD	02
	MCB 2P	50A-4kA	MHD	02



DIMENSION: 230 X 300 X 287 MM

Box can be equipped with others electrical accessories as preferred

MHD code	Main components	Specifications	Brand	Quantity
MSB -02	Electrical enclosure	230x300x287 mm	MHD	01
	Sockets industrial 32A	220-240V~2P+E; IP67-6h	SFN	04
	MCB 2P	63A-4kA	MHD	01
	MCB 2P	32A-6kA	MHD	04



DIMENSION: 400 X 300 X 160 MM

Box can be equipped with others electrical accessories as preferred

MHD code	Main components	Specifications	Brand	Quantity
MSB -03	Electrical enclosure	400x300x160 mm	MHD	01
	Sockets industrial 63A	380-500V~3P+E; IP67-6h	SFN	02
	Sockets industrial 16A	220-240V~2P+E; IP44-6h	SFN	03
	MCB 3P	63A-4kA	MHD	02
	MCB 1P	16A-6kA	MHD	03



DIMENSION: 260 X 170 X 140 MM

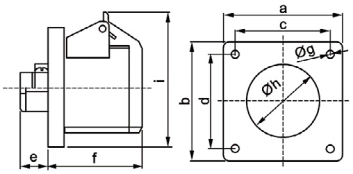
Box can be equipped with others electrical accessories as preferred

MHD code	Main components	Specifications	Brand	Quantity
MSB -04	Electrical enclosure	260x170x140 mm	MHD	01
	Sockets industrial 63A	380-500V~3P+E; IP67-6h	SFN	01
	MCB 4P	63A-4kA	MHD	01



Product Code		SFN-313	SFN-323
Earth contact position		6h	
Rated Current		16A	32A
Pole		3	
Dimension (mm)	axb	75	75
	cxd	61	61
	e	22	24
	f	60	70
	g	5	5
	h	50	55
	i	87	95
Cable Norminal Cross-Section Area (mm²)		1-2.5	2.5-6

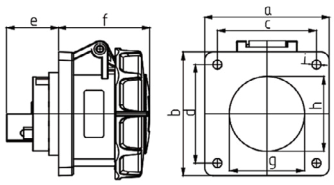
Current (A): 16A. 32A
Voltage (V): 220-240V ~ 2P+E
Protection degree **IP44**





Product Code		SFN-3132	SFN-3232
Earth contact position		6h	
Rated Current		16A	32A
Pole		3	
Dimension (mm)	a	75	75
	b	75	75
	d	61	61
	c	61	61
	d	18	24
	e	63	70
	f	50	55
	g	50	55
	h	5	5
	i		
Cable Norminal Cross-Section Area (mm²)		1-2.5	2.5-6

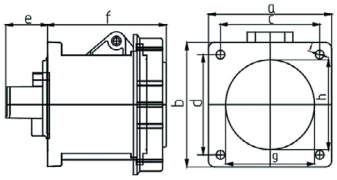
Current (A): 16A. 32A
Voltage (V): 220-240V ~ 2P+E
Protection degree **IP67**





Product Code		SFN-3332	SFN-3432
Earth contact position		6h	
Rated Current		63A	125A
Pole		3	
Dimension (mm)	a	100	120
	b	100	120
	c	80	101
	d	80	101
	e	35	44
	f	96	106
	g	80	100
	h	80	100
	i	7	7
Cable Norminal Cross-Section Area (mm²)		6-16	16-50

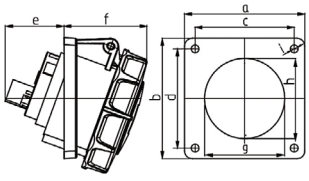
Current (A): 63A. 125A
Voltage (V): 220-250V ~ 2P+E
Protection degree **IP67**





Product Code		SFN-4132	SFN-4232
Earth contact position		6h	
Rated Current		16A	32A
Pole		3	
Dimension (mm)	a	85	85
	b	85	85
	c	70	70
	d	70	70
	e	33	50
	f	60	60
	g	60	76
	h	60	76
	i	5	5
Cable Norminal Cross-Section Area (mm²)		1-2.5	2.5-6

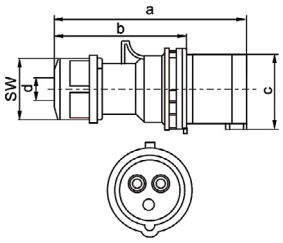
Current (A): 16A. 32A
Voltage (V): 220-240V ~ 2P+E
Protection degree **IP67**





Product Code		SFN-013	SFN-023
Earth contact position		6h	
Rated Current		16A	32A
Pole		3	
Dimension (mm)	a b c d sw	118 82 47 6-15 38	75 40 18 3 12
Cable Norminal Cross-Section Area (mm²)		1-2.5	2.5-6

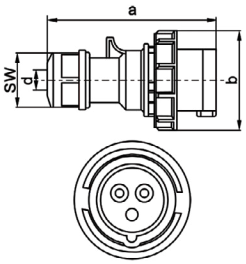
Current (A): 16A. 32A
Voltage (V): 220-240V ~ 2P+E
Protection degree **IP44**





Product Code		SFN-0132	SFN-0232
Earth contact position		6h	
Rated Current		16A	32A
Pole		3	
Dimension (mm)	a b d sw	118 82 6-15 38	146 100 10-20 50
Cable Norminal Cross-Section Area (mm²)		1-2.5	2.5-6

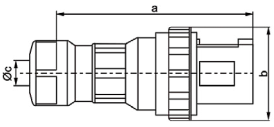
Current (A): 16A. 32A
Voltage (V): 220-240V ~ 2P+E
Protection degree **IP67**





Product Code		SFN-0332	SFN-0432
Earth contact position		6h	
Rated Current		63A	125A
Pole		3	
Dimension (mm)	a b c	240 115 30	295 126 44.5
Cable Norminal Cross-Section Area (mm²)		6-16	16-50

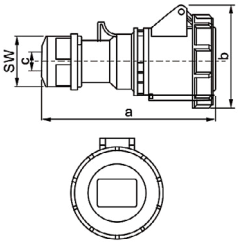
Current (A): 63A. 125A
Voltage (V): 220-250V ~ 2P+E
Protection degree **IP67**





Product Code		SFN-2132	SFN-2232
Earth contact position		6h	
Rated Current		16A	32A
Pole		3	
Dimension (mm)	a b c sw	133 78 6-15 38	162 96 10-20 50
Cable Norminal Cross-Section Area (mm²)		1-2.5	2.5-6

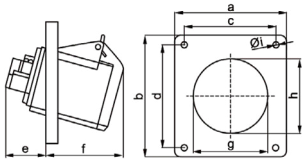
Current (A): 16A. 32A
Voltage (V): 220-240V ~ 2P+E
Protection degree **IP67**





Product Code		SFN-413	SFN-423
Earth contact position		6h	
Rated Current		16A	32A
Pole		3	
Dimension (mm)	a	85	85
	b	85	85
	c	70	70
	d	70	70
	e	34	50
	f	60	60
	g	60	76
	h	60	76
	i	5	5
Cross-Section Area (mm²)		1-2.5	2.5-6

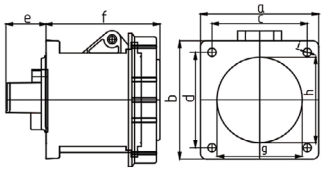
Current (A): 16A. 32A
Voltage (V): 220-240V ~ 2P+E
Protection degree **IP44**





Product Code		SFN-3342	SFN-3442
Earth contact position		6h	
Rated Current		63A	125A
Pole		4	
Dimension (mm)	a	100	120
	b	100	120
	c	80	101
	d	80	101
	e	35	44
	f	96	106
	g	80	100
	h	80	100
	i	7	7
Cable Norminal Cross-Section Area (mm²)		6-16	16-50

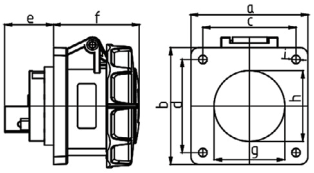
Current (A): 63A. 125A
Voltage (V): 380-415V ~ 3P+E
Protection degree **IP67**





Product Code		SFN-3142	SFN-3242
Earth contact position		6h	
Rated Current		16A	32A
Pole		4	
Dimension (mm)	a	75	75
	b	75	75
	c	61	61
	d	61	61
	e	18	24
	f	63	73
	g	50	55
	h	50	55
	i	5	5
Cable Norminal Cross-Section Area (mm²)		1-2.5	2.5-6

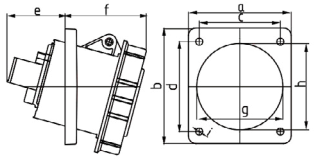
Current (A): 16A. 32A
Voltage (V): 380-415V ~ 3P+E
Protection degree **IP67**





Product Code		SFN-4342	SFN-4442
Earth contact position		6h	
Rated Current		63A	125A
Pole		4	
Dimension (mm)	a	101	120
	b	113	131
	c	80	100
	d	89	108
	e	64	87
	f	83	82
	g	87	105
	h	87	105
	i	7	7.5
Cable Norminal Cross-Section Area (mm²)		6-25	16-50

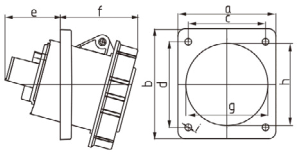
Current (A): 63A-125A
Voltage (V): 380-415V ~ 3P+E
Protection degree **IP67**





Product Code		SFN-4332	SFN-4432
Earth contact position		6h	
Rated Current		63A	125A
Pole		3	
Dimension (mm)	a b c d e f g h i	101 113 80 89 64 83 87 87 7	120 131 100 108 87 82 105 105 7.5
Cable Norminal Cross-Section Area (mm²)		1-2.5	16-50

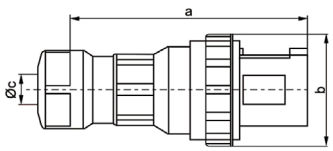
Current (A): 63A. 125A
Voltage (V): 380-415V ~ 3P+E
Protection degree **IP67**





Product Code		SFN-0342	SFN-0442
Earth contact position		6h	
Rated Current		63A	125A
Pole		4	
Dimension (mm)	a b c	240 115 30	295 126 44.5
Cable Norminal Cross-Section Area (mm²)		6-16	16-50

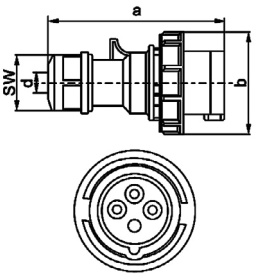
Current (A): 63A. 125A
Voltage (V): 380-415V ~ 3P+E
Protection degree **IP67**





Product Code		SFN-0142	SFN-0242
Earth contact position		6h	
Rated Current		16A	32A
Pole		4	
Dimension (mm)	a b d sw	124 79 6-15 38	1124 79 6-15 38
Cable Norminal Cross-Section Area (mm²)		1-2.5	2.5-6

Current (A): 16A. 32A
Voltage (V): 380-415V ~ 3P+E
Protection degree **IP67**





GENERAL FEATURES:

Applicable for non-welding ,complied with the standard electrical connection. Designed according to the human factors engineering, it can save 50% energy when crimping. Precise crimping die sets and integral lock with self-releasing mechanism ensure high-quality crimping effect after crimping repeatedly. Accurate adjustment before ex works delivery. The best handle grasping position, light and compact structure , ensure perfect crimping effect.

CE RoHS

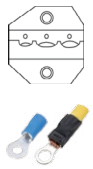
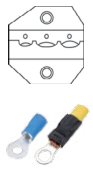
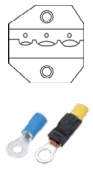
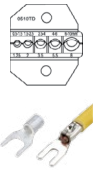
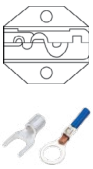
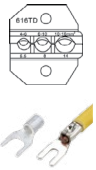
	Image Product	Model	Capacity (mm^2)	AWG	Length (mm)	Weight (kg)
		LY-03D	0.5-6.0	20~10	220	0.49
		LY-03C	0.5-6.0	22~10	220	0.49
		LY-03J	0.5-6.0	20~10	220	0.49
		LY-10	1.5~10.0	16~8	220	0.49
		LY-0510TD	0.5~1.5, 1.5~2.5, 2.5~4.0, 4.0~6.0, 6.0~10.0	22~8	220	0.49
		LY-101	1.5~10.0	16~8	220	0.49
		LY-616TD	4.0~6.0, 6.0~10.0, 10.0~16.0	22~10	220	0.49

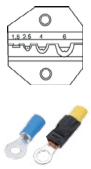
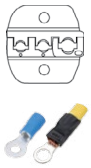
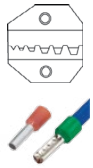
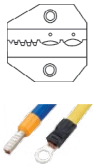
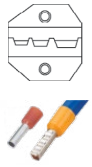
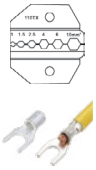
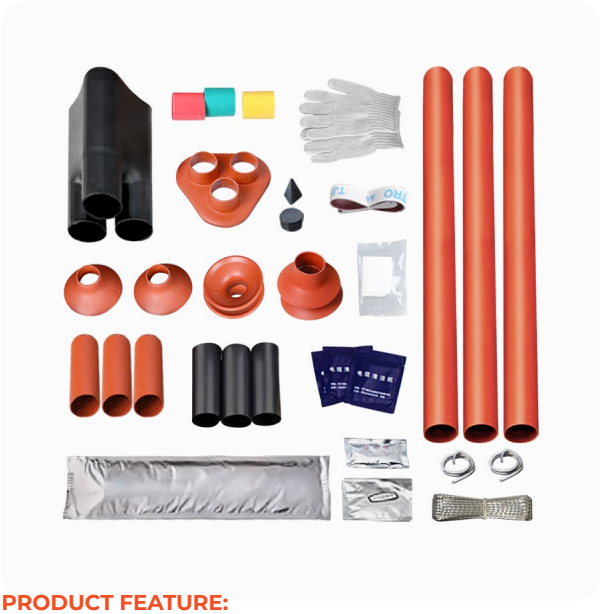
	Image Product	Model	Capacity (mm^2)	AWG	Length (mm)	Weight (kg)
		LY-156W	1.5 - 6.0	16~10	220	0.49
		LS-03B	0.5 - 6.0	17~12	230	0.6
		LS-30J	0.5~6.0	20~10	230	0.6
		LS-04WF	1.0~6.0	17~10	230	0.6
		LS-06WF2C	0.5~2.5	20~13	230	0.6
		LS-2550GF	25.0~50.0	4~1	230	0.6
		LS-05H	1.5 - 6.0	-	230	0.6
		LS-110TX	1.0, 1.5, 2.5, 4.0, 6.0, 10.0	22~8	230	0.6
		LS-8	1.25~8.0	16~8	250	0.5
		LS-16	1.25~16.0	16~5	270	0.55

	Image Product	Model	Capacity (mm^2)	AWG	Length (mm)	Weight (kg)
		LS-22	5.5~25.0	12~4	365	0.92
		LS-28C	6.0~10.0	10~7	270	0.55
		LSC8 6-4	0.25~6	24~10	180	0.38
		LS8 16-6	4~16	12~6	210	0.52
		LS-38	5.5~38	10~2	367	0.95

	Image Product	Model	Cutting range	Length (mm)	Weight (kg)
		LK-22A	-	180	0.38
		LK-38A	-	367	0.95
		LK-60A	-	365	0.92
		LK-240	240mm² max	240	0.58
		LK-380	380mm² max	330	0.75
		LK-760L	500mm² MAX	430	0.90
		LK-960	960mm² max	870	5.6

* Attention: Not for cutting steel or steel wire.



10KV OUTDOOR HEAT SHRINKABLE CABLE ACCESSORIES:

1. Three-conductor fingertip
2. Heat shrinkable ring
3. Single-aperture skirt
4. Earthing
5. Silicone grease
6. Stress evacuation paster
7. Fill, sealant
8. Prick
9. Seal tube
10. Insulation tube
11. Three-aperture skirt
12. Stress control tube
13. Phase ring
14. Fittings

PRODUCT FEATURE:

1. The cross-linked cable thermal shrinkable termination uses the double-earthing technology, in which the steel armour earthing separates from the copper shield earthing, so that the cable trial is more reasonable.

A. Test the steel armour earthing and earth resistance, if it is conducted, it means the cable protection surface is dameged.

B. Test the resistance between two earthings, if it is conducted, it means the external sheath is damaged; test the earth resistance of copper shield earthing, if it is conducted, it means both the internal and external protection surfaces are damaged.

C. The phase will never fade.

D. The triangular prick is developed for the purpose of convenient operation.

E. The taper-shaped fingertip will never be cracked.

2. The cross-linked cable heat shrinkable cable joint uses the new technology (three-seal technology).

A. The breakdown of cable intermediary joint is caused by poor seal, so our company adopts the new technology to make the cable operate more safely and conveniently. The three-seal refers to the external protection seal, internal protection seal, and the seal between two ends of insulation tube.

B. The insulation tube is prolonged to solve the problem of power seize.

C. The protection tube is very soft and shrink fastly.

CABINET EARTH BONDING KIT (VCM)







*** Outsourcing products according to customer requirements**



EARTH CABLE

- **Insulation:** PVC
- **Material:** Copper
- **Cable Diameter:** 0.5-35mm²



RV INSULATED TERMINAL

- **Insulation:** Vinyl
- **Material:** Copper or brass
- **Plating:** Tin

Welding connector with copper material only.

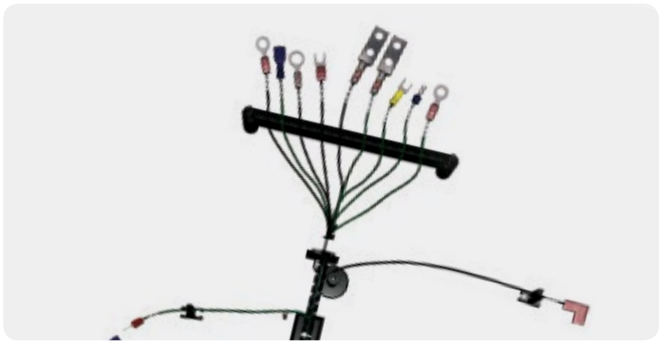
Cable Diameter (mm²)	Core (Copper)	Cable Jacket (PVC)	Lenght	Terminal
0.5, 0.75, 1.0, 1.5, 2.5, 4.0, 6.0, 10.0, 16.0, 25.0, 35.0	The resistivity of copper wire < 0,019 Q.mm²/m	Red, Blue, Green, Yellow-Green, Black, White	Customer requirements	

Machining the earth cable with the cable standard from famous cable companies such as CADIVI, LS, LION, ...

CABLE HANRNESS

Cable harnesses are MHD designed according to geometric and electrical requirements.
A diagram is then provided (either on paper or on a monitor) for the assembly preparation and assembly.

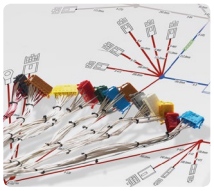


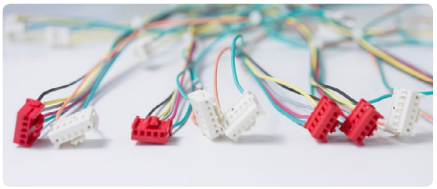














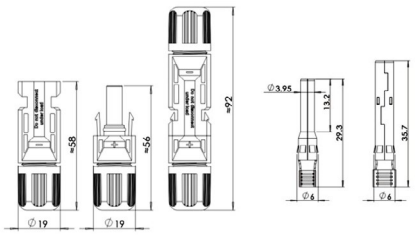


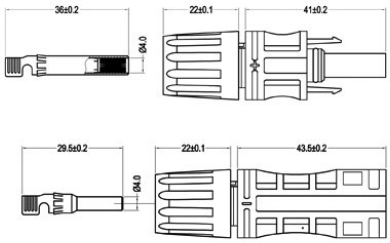












Product No.	MTCT1046	MTC1546
Rated Voltage	TUV 1000V DC / UL 1000V DC	TUV 1500V DC / UL 2000V DC
Rating Current	20A ~ 30A	20A ~ 30A
Suitable cable cross sections	2.5mm²~6.0mm² / 14AWG ~ 10AWG	2.5mm²~10.0mm² / 14AWG ~ 8AWG
Pin dimension	Φ 4.0mm	Φ 4.0mm
Proof voltage	6000V AC (1 Min) / 2200V DC (1 Min)	6000V AC (1 Min) / 2200V DC (1 Min)
Pollution degree	2	2
Protection class	Class II	Class II
Contact Material	Copper , Tin Plated	Copper , Tin Plated
Contact Resistance	≤ 5mΩ	≤ 5mΩ
Connector Material	PPO	PPO
Degree of Protection IP	IP67 (IEC 60529)	IP67 (IEC 60529)
Withdrawal Force	≥ 50N	≥ 50N
Insertion Force	≤ 50N	≤ 50N
Temperature Range	-40°C ~ 85°C	-40°C ~ 85°C
Flame Class	UL94V-0	UL94V-0

SOLAR TOOLS

CUTTING TOOL



LK-22A



LS-700N



LS-1040



LK-38A



LK-60A

CRIMPING PLIERS



A-2546B

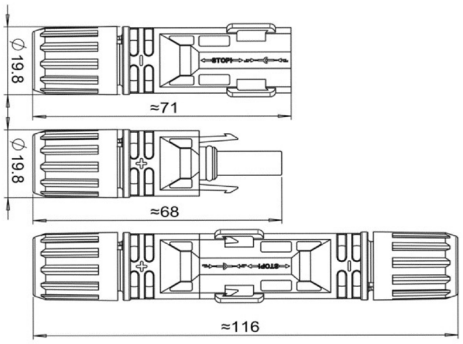
OPEN-END SPANNER & UNCLOCKING TOOL



S-MC4

MC4 CONNECTOR (LEADER)





Specification state	
Housing Material:	PPO
Contact material:	Copper with Tin-plated
Waterproof:	IP68.
Rated Voltage:	TUV1500V
Current:	30A
Temperature Range:	-40˚C~+90˚C
Flame Class:	UL94V-0
Resistance:	≤0.5mΩ
Pin Dimension:	4.0mm
Pollution Degree:	2
Protection Class:	Class II
Withdrawal Force:	>50N
For cable size:	4.85mm ~ 7.2mm

SOLAR TOOLS

CUTTING TOOL



LK-22A



LS-700N



LS-1040



LK-38A



LK-60A

CRIMPING PLIERS



A-2546B

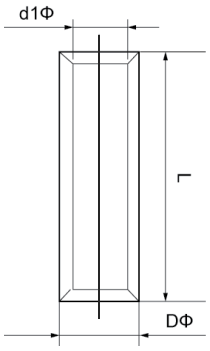
OPEN-END SPANNER & UNCLOCKING TOOL



S-MC4

COPPER TUBE TERMINALS (GTY)





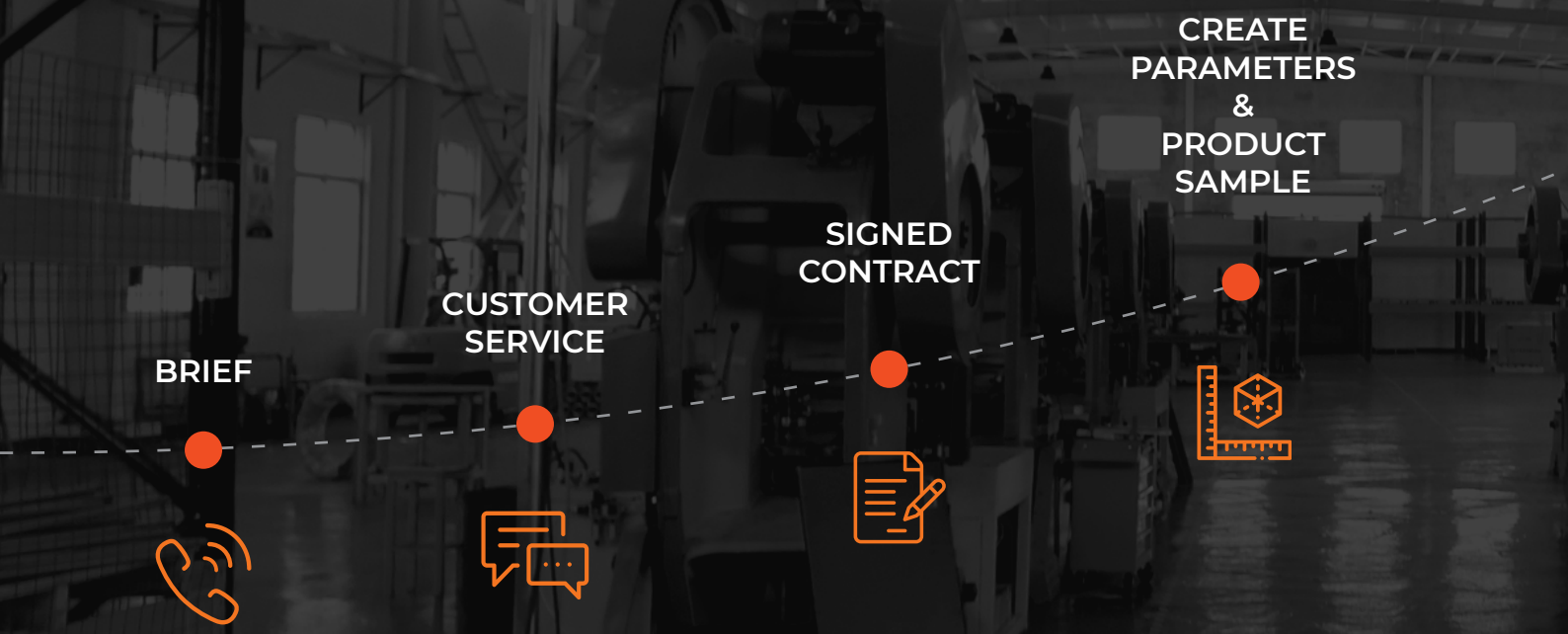
Material: Copper tube (Cu) >= 99.9% **Surface:** Tin plated **Range size (mm²):** 6-1000

Product Code	Dimension (mm)		
	d1Ø	DØ	L
GTY6	4.1	5.5	24
GTY10	4.6	6.2	25
GTY16	5.5	7.1	29
GTY25	7	8.8	29
GTY35	8.6	10.6	35
GTY50	10	12.4	35
GTY70	11.9	14.7	45
GTY95	14.2	17.4	47
GTY120	15.8	19.4	52
GTY150	17.4	21.2	59
GTY185	19.1	23.5	65
GTY240	21.9	26.5	75
GTY300	24.6	30	90
GTY400	29.9	36.5	105

PRODUCT IMPLEMENTATION PROCESS

We succeeded in researching and developing automatic lines for producing terminal lugs products to boost productivity by 80 times more than previous semi-automatic technology.

Therefore, it helps us achieve our cost optimization goal, price reduction with consistent quality as well as save cost for customers.



MHD GROUP COMMITMENT

1. Packaging design, product design.
2. The contract and agreements are clearly.
3. Work progress is guaranteed.
4. Modern factory equipment and machinery.
5. Optimize processing and packaging stages.
6. Support a suitable price for new customers.
7. Diverse, eco-friendly and quality raw materials.
8. Design logo, print logo on product packaging.

PACKING
& DELIVERY

START
PRODUCING

APPROVAL
OF RAW
MATERIALS

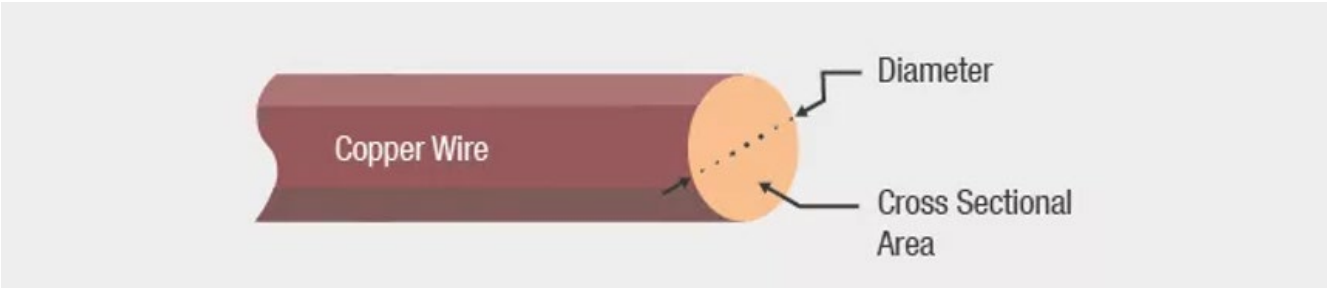
PRODUCT IMPLEMENTATION PROCESS

WHY CHOOSE PROCESSING IN MHD?

1. Strictly comply with the agreed commitments
2. Modern automatic technology is applied in production line.
3. Product quality is guaranteed according to EU standards.
4. Reasonable Price
5. After sales service.

REFERENCE

AWG to mm²



American Wire Gauge (AWG)	DIAMETER (mm)	DIAMETER (inch)	CROSS SECTION AREA (mm²)
0000 (4/0)	11.6840	0.4600	107.2193
000 (3/0)	10.4049	0.4096	85.0288
00 (2/0)	9.2658	0.3648	67.4309
0 (1/0)	8.2515	0.3249	53.4751
1	7.3481	0.2893	42.4077
2	6.5437	0.2576	33.6308
3	5.8273	0.2294	26.6705
4	5.1894	0.2043	21.1506
5	4.6213	0.1819	16.7732
6	4.1154	0.1620	13.3018
7	3.6649	0.1443	10.5488
8	3.2636	0.1285	8.3656
9	2.9064	0.1144	6.6342
10	2.5882	0.1019	5.2612
11	2.3048	0.0907	4.1723
12	2.0525	0.0808	3.3088
13	1.8278	0.0720	2.6240
14	1.6277	0.0641	2.0809
15	1.4495	0.0571	1.6502
16	1.2908	0.0508	1.3087
17	1.1495	0.0453	1.0378
18	1.0237	0.0403	0.8230
19	0.9116	0.0359	0.6527
20	0.8118	0.0320	0.5176
21	0.7229	0.0285	0.4105
22	0.6438	0.0253	0.3255

American Wire Gauge (AWG)	DIAMETER (mm)	DIAMETER (inch)	CROSS SECTION AREA (mm^2)
23	0.5733	0.0226	0.2582
24	0.5106	0.0201	0.2047
25	0.4547	0.0179	0.1624
26	0.4049	0.0159	0.1288
27	0.3606	0.0142	0.1021
28	0.3211	0.0126	0.0810
29	0.2859	0.0113	0.0642
30	0.2546	0.0100	0.0509
31	0.2268	0.0089	0.0404
32	0.2019	0.0080	0.0320
33	0.1798	0.0071	0.0254
34	0.1601	0.0063	0.0201
35	0.1426	0.0056	0.0160
36	0.1270	0.0050	0.0127
37	0.1131	0.0045	0.0100
38	0.1007	0.0040	0.0080
39	0.0897	0.0035	0.0063
40	0.0799	0.0031	0.0050

CONVERSION

Vinyl End Caps - Cosse -Heat Shrinkable Tube

Terminal for Cable	Vinyl End Caps (V)	Heat Shrinkable Tube (DRS)
Coss 1.5	V1.25 Red (100 pcs/bag)	Ø 6
Coss 2.5	V2.5 Red (100 pcs/bag)	
Coss 4	V3.5 Red (100 pcs/bag)	Ø 8-10
Coss 6	V5.5 Red (100 pcs/bag)	
Coss 10	V8 Red (100 pcs/bag)	Ø 10 (100m)
Coss 16	V14 Red (100 pcs/bag)	Ø 12 (100m)
Coss 25	V22 Red (100 pcs/bag)	Ø 14-16 (100m)
Coss 35	V22 Red (100 pcs/bag)	Ø 16-20
Coss 50	V38 Red (100 pcs/bag)	Ø 20-22 (100m)
Coss 70	V60 Red (50 pcs/bag)	Ø 25 (50m)
Coss 95	V80 Blue (40 pcs/bag)	Ø 30 (50m)
Coss 120	V100 Red (20 pcs/bag)	Ø 30-35 (50m)
Coss 150	V125 Red (20 pcs/bag)	Ø 30-40 (50m)
Coss 185	V150 Red (20 pcs/bag)	Ø 35 -40 (50m)
Coss 240	V200 Blue (10 pcs/bag)	Ø 40-50 (50m)
Coss 300	V250/V325 Blue (10 pcs/bag)	Ø 45-60 (50m)
Coss 400	V400 Red (10 pcs/bag)	Ø 50-60 (50m)
Coss 500	V500 Red (5 pcs/bag)	Ø 60 -75 (25m)
Coss 600	V600 Red (5 pcs/bag)	Ø 70-80 (25m)
Coss 1.000	-	Ø 80-100 (25m)

CATA-LOGUE



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