番缆集团
PanyuCable

ENERGY ACCESSORIES

TERMINATIONS • JOINTS • ELECTRIC POWER
FITTING• TUBING & MOULED PARTS

Catalogue 2025

Panyu Cable Group is the leading innovator, manufacturer, solution supplier of low, medium and high voltage accessories for energy transmission and distribution network. We offer solution and comprehensive products of cable accessories, electric power fitting for electric grid.

Manufacturing and developing power cable accessories up to 42 kV is one of Panyu Cable's core businesses. For more than 55 years, Panyu Cable Group has been one of the market leaders in power cable accessories in China.
At Panyu cable group, we develop and manufacture a wide range of medium-voltage cable accessories, including cable joints, connectors and terminations for both indoor and outdoor applications. Our versatile product portfolio also features medium-voltage branch cabinets, pre-assembled cable links.
Our medium-voltage cable accessories provide safe, reliable and durable solutions that are made to last. Thanks to our extensive experience, our renowned engineering expertise and our commitment to continuous development, we are able to offer innovative and future-proof products with a long service life.

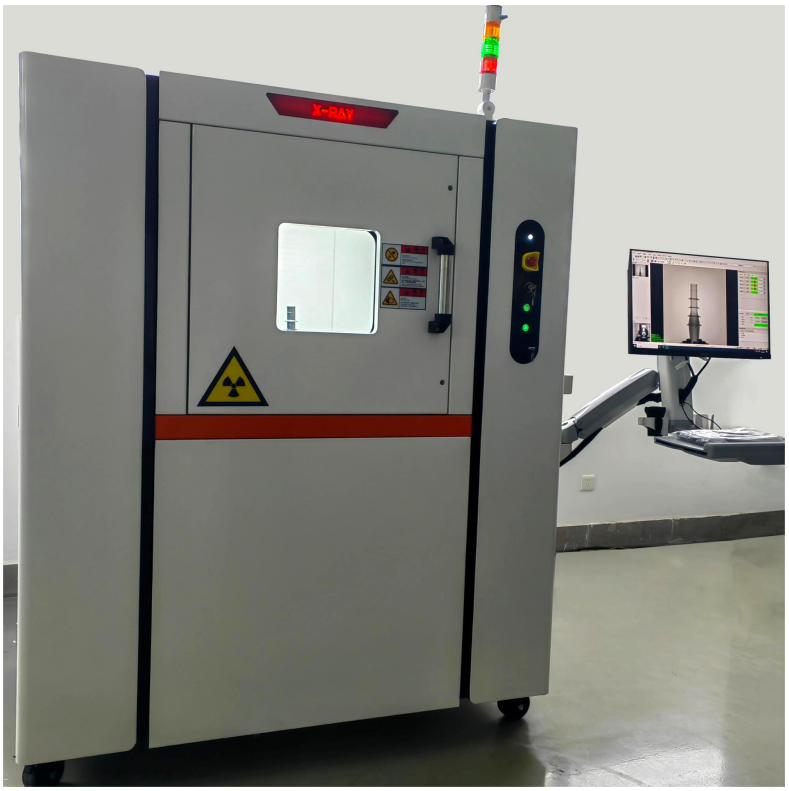
WE RESPECT STANDARDS

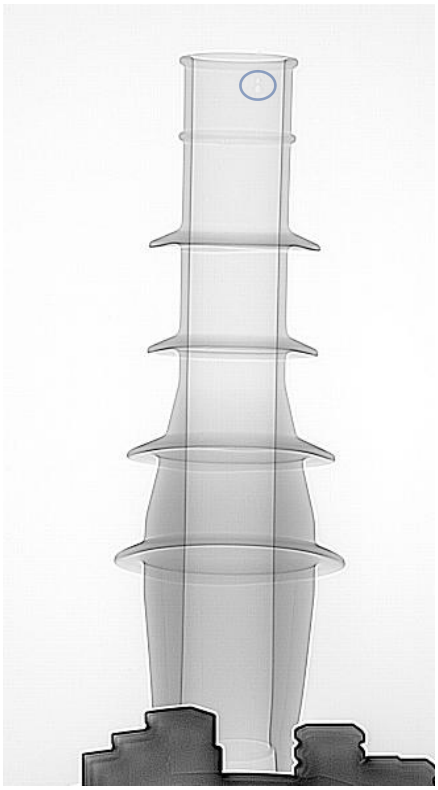
Our accessories meet the requirements of the following standards : CENELEC HD 629.1, IEC 60502, EN 50180, EN 50181, GB/T 12706.4

Test items (Test voltage)	Voltage Grade $U_0/U(U_m)$ kV						Requirements
	6/10 (12)	8.5/15 (17.5)	12/20 (24)	18/30 (36)	26/35 (40.5)	20.8/36 (42)	
Humidity and Salt fog ($1.25U_0$)	7.5	11	15	22.5	32.5	26	No breakdown, no flashover. Less than 3 ignitions. No visual damages.
Partical discharge($1.73U_0$)	10	15	20	30	45	36	10 pC Max.
Thermal cycling AC 15 min and 500 h ($2.5U_0$)	15	22	30	45	65	52	No breakdown, no flashover
AC 5 min ($4.5U_0$)	27	39	54	81	117	94	No breakdown, no flashover
DC 15 min ($6U_0$)	36	51	72	108	156	125	No breakdown, no flashover
Impulse withstand voltage ± 10 times	75	95	125	170	200	200	No breakdown, no flashover

WE ASSURE QUALITY

The internal structural defects of bodies of termination, joint and tee connector may reduce stability and service time of system, those defectives may lead from material, injection molding process or other potentialities. To eliminate those potential risk, Panyu Cable developed unique designed X-ray scanner. With the scanner, even very tiny bubbles or trace structural defect could be detected.





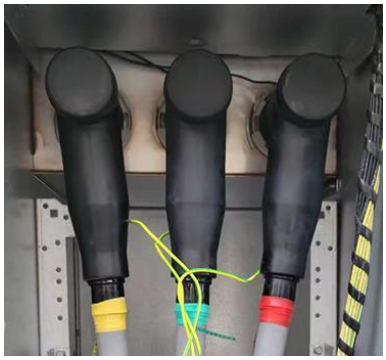
- *All termination, Joint, Tee connector bodies are scanned by X-Ray scanner, Make sure free from defective.*
- *All termination, joint, Tee connector bodies are tested for AC withstand prior to leaving the factory.*

WE ARE CERTIFICATED

ISO 9001:2015
ISO 14001:2015
ISO 45001
ISO/IEC 17025:2017
IECQ QC 080000

Content

Ⅰ. Cable Termination



Ⅱ. Cable Joint

III. Electric Power Fitting

IV. Tubing & Mouled Parts

IV. Tubing & Mouled Parts

CABLE TERMINATION

Separable Connector
Cold Shrink Terminaiton
Heat Shrink Termination
upto 42 kV

ILS

Medium voltage indoor cold shrink terminations upto 42kV

Application

The ILS series cold shrinkable termination is suitable for indoor installation on polymeric insulated medium voltage cables.
Donot use open fire when installing, especally for inflammable and explosive sites such as petroleum, chemicals, mines and tunnels.

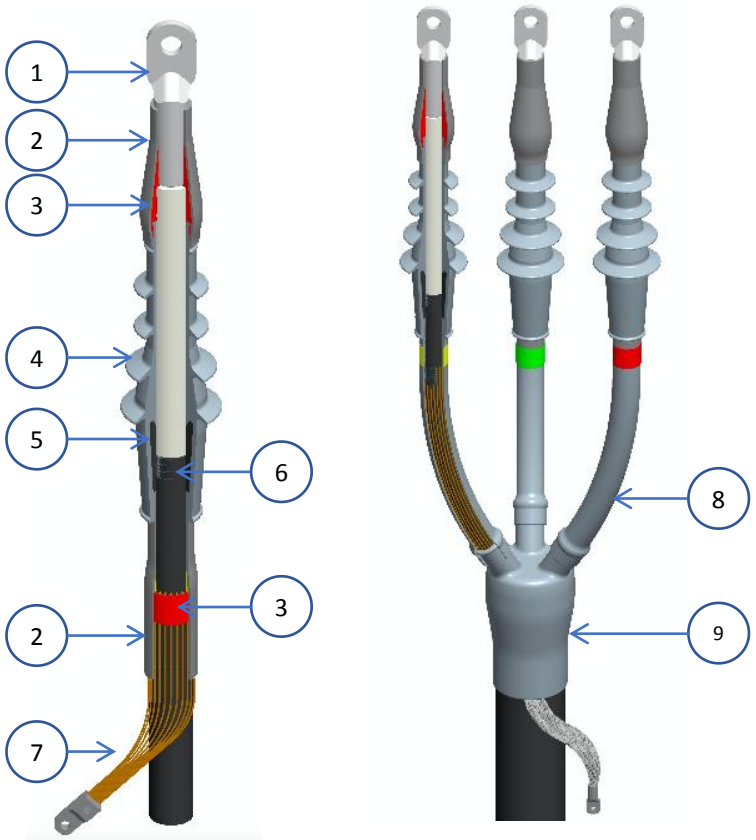
Another benefit given by using the ILS termination is the quick and easy assembly. The termination is available with additional splitting accessories for three-core, copper wire screened or copper tape screened and armored cables.

$U_0/U(U_m)$

6/10(12)kV
6.35/11(12)kV
8.7/15(17.5)kV
12/20(24)kV
12.7/22(24)kV
18/30(36)kV
26/35(40.5)kV
20.8/36(42)kV

Design

1. Compress or mechanical cable lug
2. Cold shrink tube for sealing
3. Red sealant mastic
4. High flexibility external housing is made from liquid silicone rubber, ensuring a perfect fit to the cable.
5. Integrated conductive rubber
6. Self amalgamating conductive tape
7. Earth connection
8. Cold shrink tube
9. Cold shrink breakout



Specifications and standard

ILS termination meets the requirements of CENELEC HD 629.1. and IEC 60502

Delivery scope

- 3 termination with integrated stress control element
- Installation instructions
- Silicone grease
- Assembly kits

Exclusive service:

All terminal bodies are scanned before delivering by X-Ray scanner to guarantee ZERO defect in inner struction

Ordering instruction

Indicate the part number when ordering as table

Order example:
ILS-20/3.2 is for 3 cores 20kV 95-185 mm²

ILS-15/3.2

Classification and Dimension

Conductor cross-section (mm²)		Dia. over core insulation (mm)		Number of Sheds	L (mm)	Dia. S (mm)	Art.-No.
Min.	Max.	Min.	Max.				
$U_0/U(U_m)$ 6/10(12)kV - 6.35/11(12)kV							
25	50	13.7	16.0	5	208	50	ILS-10/1.1
70	120	17.4	20.5	5	208	53	ILS-10/1.2
150	240	21.9	25.90	5	208	57	ILS-10/1.3
300	400	28.2	31.50	5	208	61	ILS-10/1.4
500	800	34.9	42.4	5	208	61	ILS-10/1.5
$U_0/U(U_m)$ 8.7/15(17.5)kV							
25	50	13.5	16.2	5	208	50	ILS-15/1.1
70	120	16.5	21	5	208	53	ILS-15/1.2
150	240	23	26.50	5	208	57	ILS-15/1.3
300	400	30.7	35	5	208	61	ILS-15/1.4
500	800	37	46	5	208	61	ILS-15/1.5
$U_0/U(U_m)$ 12/20(24)kV							
35	70	16.2	23	5	330	64	ILS-20/1.1
95	185	25	29.5	5	330	69	ILS-20/1.2
240	400	30	34	5	330	73	ILS-20/1.3
500	800	39.5	46	5	330	79	ILS-20/1.4
$U_0/U(U_m)$ 18/30(36)kV							
50	70	22	27	5	398	90	ILS-30/1.1
95	185	29.5	34	5	398	94	ILS-30/1.2
240	400	39.5	46	5	398	100	ILS-30/1.3
500	800	44	54	5	398	100	ILS-30/1.4
$U_0/U(U_m)$ 20.8/36(42)kV							
50	70	29.5	30	5	398	90	ILS-42/1.1
95	185	32	35	5	398	94	ILS-42/1.2
240	400	38	44	5	398	100	ILS-42/1.3
500	800	48	54	5	398	100	ILS-42/1.4

Note: The classification and dimension apply for polymeric insulated XLPE cables with extruded conductive screen and stranded conductors. Please contact with our representative for more information for other cable type.

OLS

Medium voltage outdoor cold shrink terminations upto 42kV

Application

The OLS series cold shrinkable termination is suitable for outdoor installation on polymeric insulated medium voltage cables.
Donot use open fire when installing, especally for inflammable and explosive sites such as petroleum, chemicals, mines and tunnels.

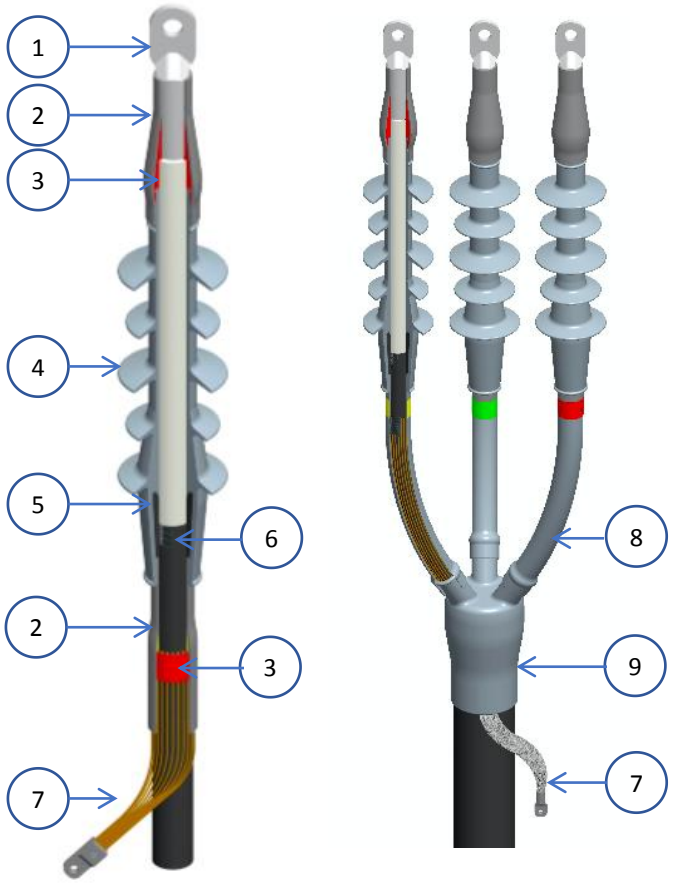
Another benefit given by using the OLS termination is the quick and easy assembly. The termination is available with additional splitting accessories for three-core, copper wire screened or copper tape screened and armored cables.

$U_0/U(U_m)$

6/10(12)kV
6.35/11(12)kV
8.7/15(17.5)kV
12/20(24)kV
12.7/22(24)kV
18/30(36)kV
26/35(40.5)kV
20.8/36(42)kV

Design

1. Compress or mechanical cable lug
2. Cold shrink tube for sealing
3. Red sealant mastic
4. High flexibility external housing is made from liquid silicone rubber, ensuring a perfect fit to the cable.
5. Integrated conductive rubber
6. Self amalgamating conductive tape
7. Earth connection
8. Cold shrink tube
9. Cold shrink breakout



Specifications and standard

OLS termination meets the requirements of CENELEC HD 629.1. and IEC 60502

Delivery scope

- 3 termination with integrated stress control element
- Installation instructions
- Silicone grease
- Assembly kits

Exclusive service:

All terminal bodies are scanned before delivering by X-Ray scanner to guarantee ZERO defect in inner struction

Ordering instruction

Indicate the part number when ordering as table

Order example:
OLS-20/3.2 is for 3 cores 20kV 95-185 mm²

OLS-15/3.2

Classification and Dimension

Conductor cross-section (mm²)		Dia. over core insulation (mm)		Number of Sheds	L (mm)	Dia. S (mm)	Art.-No.
Min.	Max.	Min.	Max.				
$U_0/U(U_m)$ 6/10(12)kV - 6.35/11(12)kV							
25	50	13.7	16.0	5	292	68	OLS-10/1.1
70	120	17.4	20.5	5	292	71	OLS-10/1.2
150	240	21.9	25.90	5	292	75	OLS-10/1.3
300	400	28.2	31.50	5	292	79	OLS-10/1.4
500	800	34.9	42.4	5	292	79	OLS-10/1.5
$U_0/U(U_m)$ 8.7/15(17.5)kV							
25	50	13.5	16.2	5	292	68	OLS-15/1.1
70	120	16.5	21	5	292	71	OLS-15/1.2
150	240	23	26.50	5	292	75	OLS-15/1.3
300	400	30.7	35	5	292	79	OLS-15/1.4
500	800	37	46	5	292	79	OLS-15/1.5
$U_0/U(U_m)$ 12/20(24)kV							
35	70	16.2	23	5	398	85	OLS-20/1.1
95	185	25	29.5	5	398	90	OLS-20/1.2
240	400	30	34	5	398	94	OLS-20/1.3
500	800	39.5	46	5	398	100	OLS-20/1.4
$U_0/U(U_m)$ 18/30(36)kV							
50	70	22	27	6	460	111.5	OLS-30/1.1
95	185	29.5	34	6	460	115	OLS-30/1.2
240	400	39.5	46	6	460	119	OLS-30/1.3
500	800	44	54	6	460	119	OLS-30/1.4
$U_0/U(U_m)$ 20.8/36(42)kV							
50	70	29.5	30	6	460	111.5	OLS-42/1.1
95	185	32	35	6	460	115	OLS-42/1.2
240	400	38	44	6	460	119	OLS-42/1.3
500	800	48	54	6	460	119	OLS-42/1.4

Note: The classification and dimension apply for polymeric insulated XLPE cables with extruded conductive screen and stranded conductors. Please contact with our representative for more information for other cable type.

PFC

Screened seprable connector, Interface C, upto 42kV, 630A and 1250A

Application

PFC screened separable connector made of EPDM for cable connection to switchgear (RMU) and transformers up to 42 kV with bushings type C according to EN 50180, EN50181

Features

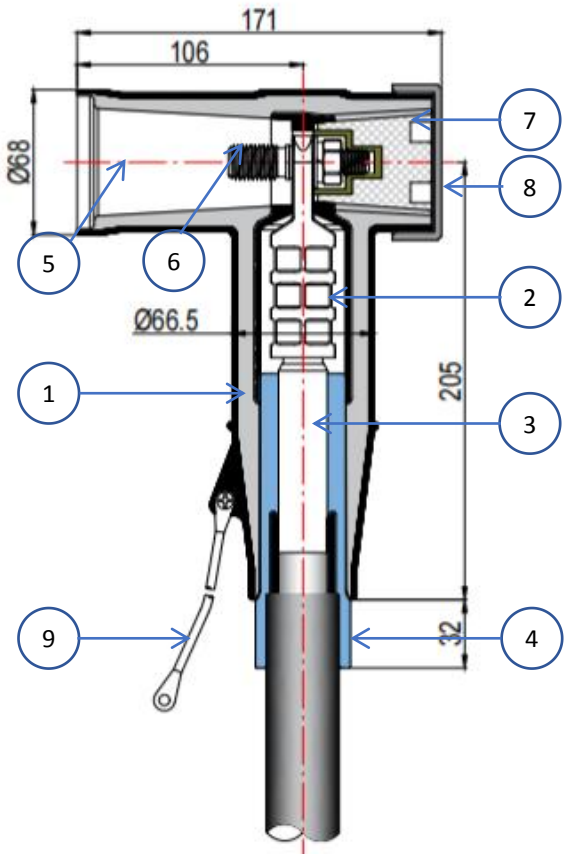
- Quick and easy assembly
- Integrated stress control, Separate termination not required
- For connection to insulator bushing type C1 (630 A) and C2 (1250A) in accordance with EN50181
- Use of various cable lug types

$U_0/U(U_m)$

6/10(12)kV
6.35/11(12)kV
8.7/15(17.5)kV
12/20(24)kV
12.7/22(24)kV
18/30(36)kV
26/35(40.5)kV
20.8/36(42)kV

Design

1. Front connector body
   Integrated stress control, conductive EPDM insert
   Insulating EPDM layer
   Conductive EPDM jacket
2. Compression cable lug
3. Cable
4. Cable reducer
5. Interface C
6. M16/M12 clamping screw with spring washer and nut
7. Insulation plug
8. Conductive rubber cover
9. Earth lead



Specifications and standard

PFC meets the requirements of IEC 60502, GB/T 12706.4 and CENELEC HD629.1

Delivery scope

- 3 PFC separable connector
- Installation instructions
- Silicone grease
- Assembly kits

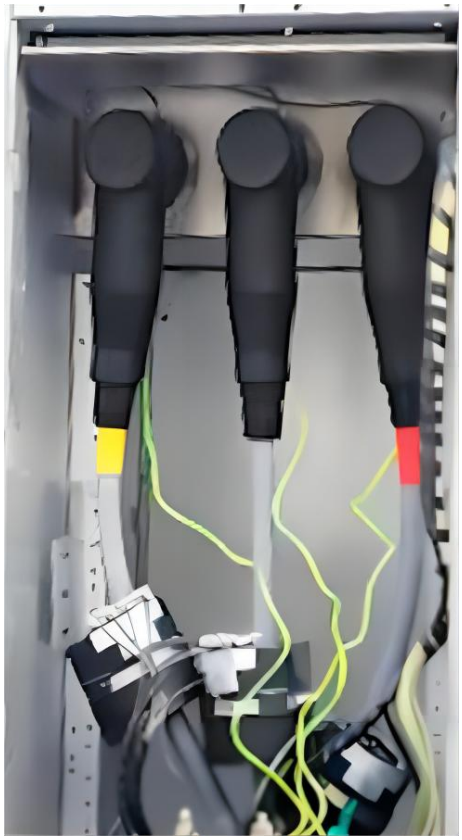
Exclusive service:

All bodies are scanned by X-Ray scanner before delivering to guarantee ZERO defect in inner struction
All bodies are tested for AC withstand prior to leaving the factory

Ordering instruction

Indicate the part number when ordering as table

Order example:
PFC24- 1*75-95sqmm is for single core cable 20kV 75~95 mm²



Classification and Dimension

Conductor cross-section (mm²)		Dia. over core insulation (mm)		Dia. of cable reducer	Part. name	
Min.	Max.	Min.	Max.			
$U_0/U(U_m)$ 6/10(12)kV - 6.35/11(12)kV						
25	50	13.5	16.5	12	PFC15	
70	95	17	20	14		
120	185	20.5	25	18		
240	300	26	29	22		
400	500	30.5	37	27		
$U_0/U(U_m)$ 8.7/15(17.5)kV						
	25	13.5	16.5	12	PFC15	
35	70	17	20	14		
95	150	20.5	25	18		
185	240	26	29	22		
300	500	30.5	37	27		
$U_0/U(U_m)$ 12/20(24)kV						
25	50	19	21	16	PFC24	
70	95	22	25.5	19		
120	185	26	29.5	23		
240	300	30	34	26		
400	500	34	39.5	30		
	630	40	46	34		
$U_0/U(U_m)$ 18/30(36)kV						
25	50	22	25.5	19	PFC24	PFC42
35	95	25	29.5	23		
120	185	30	35	26		
240	300	35	38	30		
	400	38	42	34		
500	630	44	48	38		
	800	49	54	42		
$U_0/U(U_m)$ 20.8/36(42)kV						
25	50	25	29.5	23	PFC42	
70	120	30	35	26		
150	185	35	38	30		
240	300	38	42	34		
400	500	44	48	38		
	630	49	54	42		

Note: The classification and dimension apply for polymeric insulated XLPE cables with extruded conductive screen and stranded conductors. Please contact with our representative for more information for other cable type.

PCC

Coupling connector for PFC, upto 42kV, 630A and 1250A

Application

PCC is a screened coupling connector made of EPDM for double cable connection. It is linked directly to Tee separable connector PFC

Features

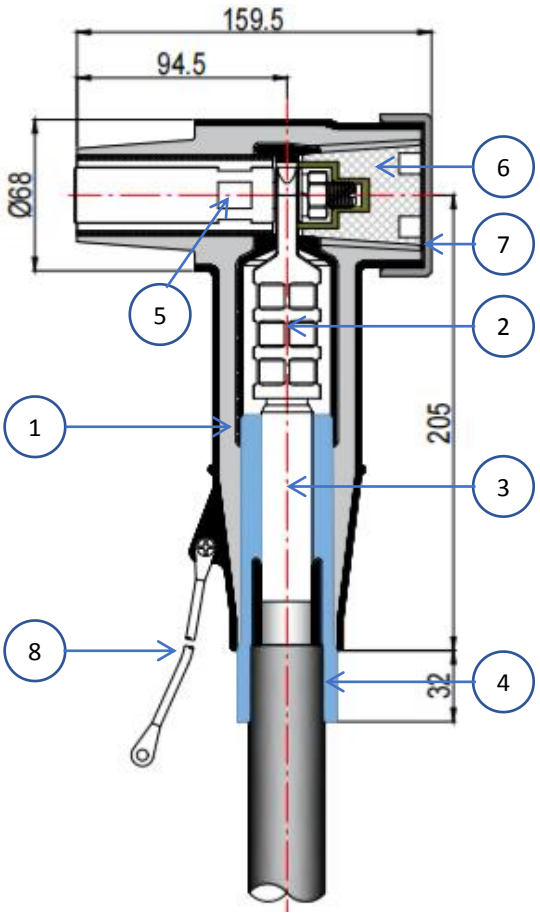
- Quick and easy assembly
- Integrated stress control, Separate termination not required
- For parallel connection to Tee separable connector PFC
- Use of various cable lug types

$U_0/U(U_m)$

6/10(12)kV
6.35/11(12)kV
8.7/15(17.5)kV
12/20(24)kV
12.7/22(24)kV
18/30(36)kV
26/35(40.5)kV
20.8/36(42)kV

Design

1. Coupling connector body
   Integrated stress control, conductive EPDM insert
   Insulating EPDM layer
   Conductive EPDM jacket
2. Compression cable lug
3. Cable
4. Cable reducer
5. M16/M12 clamping screw with spring washer and nut
6. Insulation plug
7. Conductive rubber cover
8. Earth lead



Specifications and standard

PCC15 meets the requirements of IEC 60502, GB/T 12706.4 and CENELEC HD629.1

Delivery scope

- 3 PCC Tee separable connector
- Installation instructions
- Silicone grease
- Assembly kits

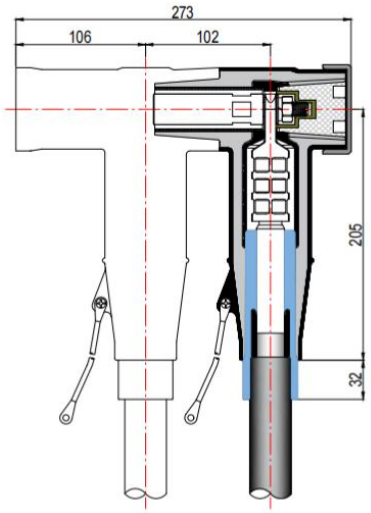
Exclusive service:

All bodies are scanned by X-Ray scanner before delivering to guarantee ZERO defect in inner struction
All bodies are tested for AC withstand prior to leaving the factory

Ordering instruction

Indicate the part number when ordering as table

Order example:
PCC24- 1*75-95sqmm is for single core cable 20kV 75~95 mm²



PFC15-PCC15

Classification and Dimension

Conductor cross-section (mm²)		Dia. over core insulation (mm)		Dia. of cable reducer	Part. name	
Min.	Max.	Min.	Max.			
$U_0/U(U_m)$ 6/10(12)kV - 6.35/11(12)kV						
25	50	13.5	16.5	12	PCC15	
70	95	17	20	14		
120	185	20.5	25	18		
240	300	26	29	22		
400	500	30.5	37	27		
$U_0/U(U_m)$ 8.7/15(17.5)kV						
	25	13.5	16.5	12	PCC15	
35	70	17	20	14		
95	150	20.5	25	18		
185	240	26	29	22		
300	500	30.5	37	27		
$U_0/U(U_m)$ 12/20(24)kV						
25	50	19	21	16	PCC24	
70	95	22	25.5	19		
120	185	26	29.5	23		
240	300	30	34	26		
400	500	34	39.5	30		
	630	40	46	34		
$U_0/U(U_m)$ 18/30(36)kV						
25	50	22	25.5	19	PCC24	PCC42
35	95	25	29.5	23		
120	185	30	35	26		
240	300	35	38	30		
	400	38	42	34		
500	630	44	48	38		
	800	49	54	42		
$U_0/U(U_m)$ 20.8/36(42)kV						
25	50	25	29.5	23	PCC42	
70	120	30	35	26		
150	185	35	38	30		
240	300	38	42	34		
400	500	44	48	38		
	630	49	54	42		

Note: The classification and dimension apply for polymeric insulated XLPE cables with extruded conductive screen and stranded conductors. Please contact with our representative for more information for other cable type.

PC-SA

Surge arrester for PFC or PCC, upto 42kV, 630A and 1250A

Application

PC-SA is a metal oxide surge arrester with EPDM connector housing. It protects medium voltage networks: transformers, switchgears and cables. Incoming overvoltage waves and voltage increase by reflection are limited.

Features

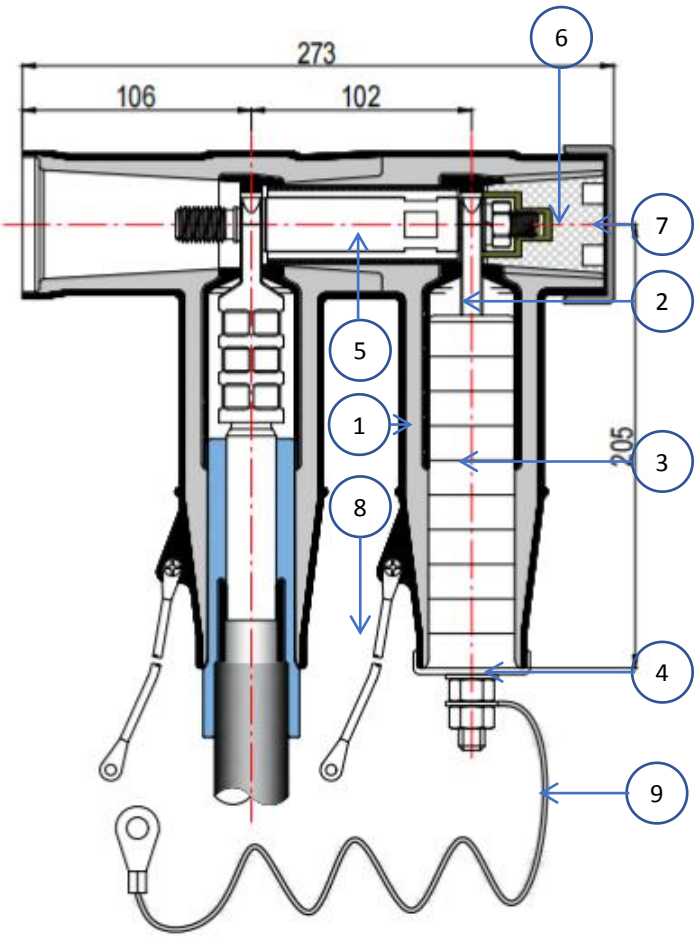
- Quick and easy assembly
- integrated stress control system
- For parallel connection to separable connector PFC or PCC

$U_0/U(U_m)$

6/10(12)kV
6.35/11(12)kV
8.7/15(17.5)kV
12/20(24)kV
12.7/22(24)kV
18/30(36)kV
26/35(40.5)kV
20.8/36(42)kV

Design

1. Surge arrester with
   Integrated stress control, conductive EPDM insert
   Insulating EPDM layer
   Conductive EPDM jacket
2. Cable lug
3. Arrester core
4. Steel cap
5. Connecting rod
6. Insulated plug
7. End cover
8. Earth lead
9. Earth connection



Specifications and standard

PC-SA meets the requirements of IEC 60502, GB/T 12706.4 and CENELEC HD629.1

Delivery scope

- 3 PC-SA Tee separable connector
- Installation instructions
- Silicone grease
- Assembly kits

Exclusive service:

All bodies are scanned by X-Ray scanner before delivering to guarantee ZERO defect in inner struction
All bodies are tested for AC withstand prior to leaving the factory

Ordering instruction

Indicate the part number when ordering as table

Order example:
PC-SA15 for PFC15 or PCC15

Classification and Dimension

Test item	Unit	PC-SA15	PC-SA24	PC-SA24-P	PC-SA35
Nominal voltage	kV	10	20	20	35
Rated Voltage	kV	17	26	34	51
Continuous running voltage	kV	13.6	20.8	27.2	40.8
Residual voltage under lightning impulse current. Max.	kV	45(50)	66	85(90)	134
DC U1mA Min.	kV	24(25)	37	48	73
Leakage current 0.75U1mA Max./uA	uA	50	50	50	50
Square wave impact capacity 2ms	A	150(75)	150(75)	150(75)	400
Power frequency withstand voltage of insulation jacket	kV/5min	39	54	54	95
Partial discharge voltage (≤10pC)	kV	15	20	20	45

EC15

Medium voltage elbow connector, Interface A, upto 15kV, 250A

Application

EC250A is screened elbow cable connector made of EPDM for cable connection to switchgear and transformers up to 15 kV with bushings type A (250 A) according to EN 50180, EN 50181

Features

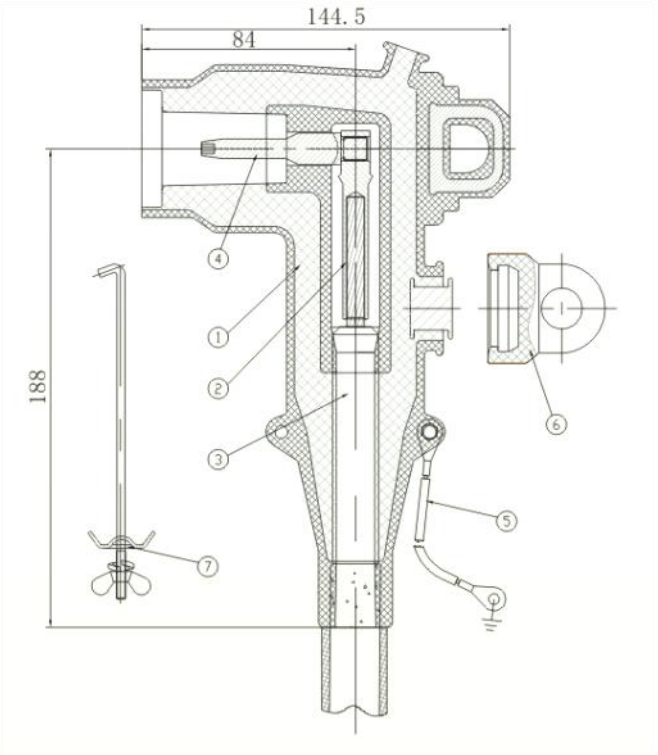
- Quick and easy assembly
- Integrated stress control, Separate termination not required
- Metal housing or capacitive measuring point

$U_0/U(U_m)$

6/10(12)kV
6.35/11(12)kV
8.7/15(17.5)kV

Design

1. Elbow connector body
   Integrated stress control, conductive EPDM insert
   Insulating EPDM layer
   Conductive EPDM jacket
2. Cable lug
3. Cable
4. Contact pin
5. Earth Lead
6. Cap for measuring point
7. Bail restraint



Specifications and standard

EC15 meets the requirements of IEC 60502, GB/T 12706.4 and CENELEC HD629.1

Delivery scope

- 3 EC15 elbow connector
- Installation instructions
- Silicone grease
- Assembly kits

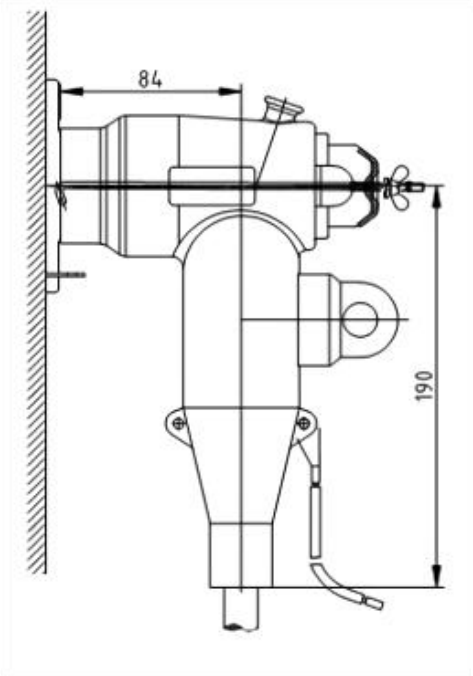
Exclusive service:

All bodies are scanned by X-Ray scanner before delivering to guarantee ZERO defect in inner struction
All bodies are tested for AC withstand prior to leaving the factory

Ordering instruction

Indicate the part number when ordering as table

Order example:
EC15-15/3.2 is for 3 cores 15kV 35-50 mm²



Classification and Dimension

Conductor cross-section (mm²)		Dia. over core insulation (mm)		Dia. of connector	Part. name
Min.	Max.	Min.	Max.		
$U_0/U(U_m)$ 6/10(12)kV - 6.35/11(12)kV					
35	50	14.8	16.2	13	EC15-10/1.1
70	95	16.5	20	15	EC15-10/1.2
120	150	21	23	18	EC15-10/1.3
$U_0/U(U_m)$ 8.7/15(17.5)kV					
	25	14.8	16.2	13	EC15-15/1.1
35	50	16.5	20	15	EC15-15/1.2
70	95	21	23	18	EC15-15/1.3
120	150	23	26.5	21	EC15-15/1.4

Note: The classification and dimension apply for polymeric insulated XLPE cables with extruded conductive screen and stranded conductors. Please contact with our representative for more information for other cable type.

SC15

Medium voltage straight connector, Interface A, upto 15kV, 250A

Application

SC15 is screened straight cable connector made of EPDM for cable connection to switchgear and transformers up to 15 kV with bushings type A (250 A) according to EN 50180, EN 50181

Features

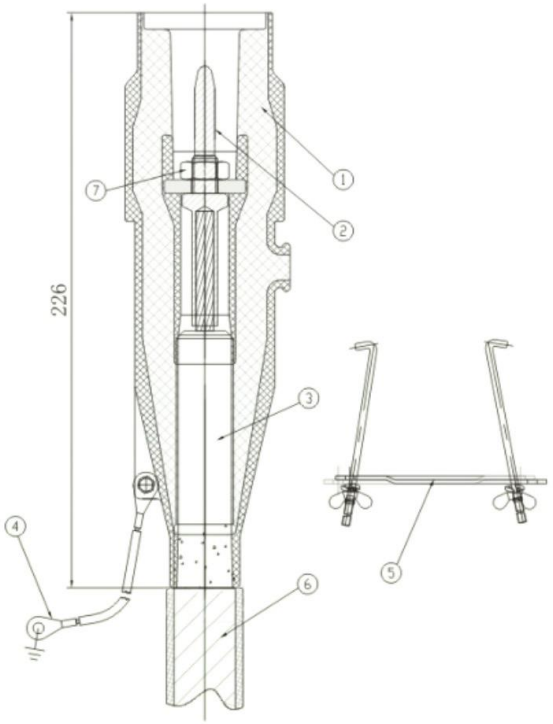
- Quick and easy assembly
- Integrated stress control, Separate termination not required

$U_0/U(U_m)$

6/10(12)kV
6.35/11(12)kV
8.7/15(17.5)kV

Design

1. Straight connector body
   Integrated stress control, conductive EPDM insert
   Insulating EPDM layer
   Conductive EPDM jacket
2. Cable lug
3. Cable
4. Earth lead
5. Bail restraint
6. Copper shield
7. M10 nut



Specifications and standard

SC15 meets the requirements of IEC 60502, GB/T 12706.4 and CENELEC HD629.1

Delivery scope

- 3 SC15 elbow connector
- Installation instructions
- Silicone grease
- Assembly kits

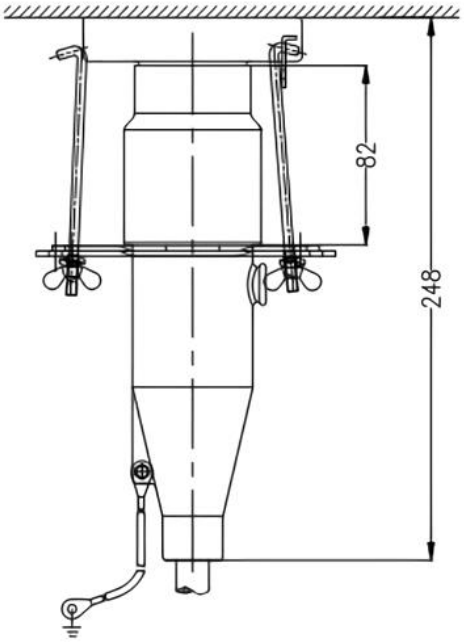
Exclusive service:

All bodies are scanned by X-Ray scanner before delivering to guarantee ZERO defect in inner struction
All bodies are tested for AC withstand prior to leaving the factory

Ordering instruction

Indicate the part number when ordering as table

Order example:
SC15/3.2 is for 3 cores 15kV 35-50 mm²



Classification and Dimension

Conductor cross-section (mm²)		Dia. over core insulation (mm)		Dia. of connector	Part. name
Min.	Max.	Min.	Max.		
$U_0/U(U_m)$ 6/10(12)kV - 6.35/11(12)kV					
35	50	14.8	16.2	13	SC15-10/1.1
70	95	16.5	20	15	SC15-10/1.2
120	150	21	23	18	SC15-10/1.3
$U_0/U(U_m)$ 8.7/15(17.5)kV					
	25	14.8	16.2	13	SC15-15/1.1
35	50	16.5	20	15	SC15-15/1.2
70	95	21	23	18	SC15-15/1.3
120	150	23	26.5	21	SC15-15/1.4

Note: The classification and dimension apply for polymeric insulated XLPE cables with extruded conductive screen and stranded conductors. Please contact with our representative for more information for other cable type.

EC24/36

Medium voltage elbow connector, Interface A, upto 36kV, 250A

Application

EC24 is screened elbow cable connector made of EPDM for cable connection to switchgear and transformers up to 36 kV with bushings type A (250 A) according to EN 50180, EN 50181

Features

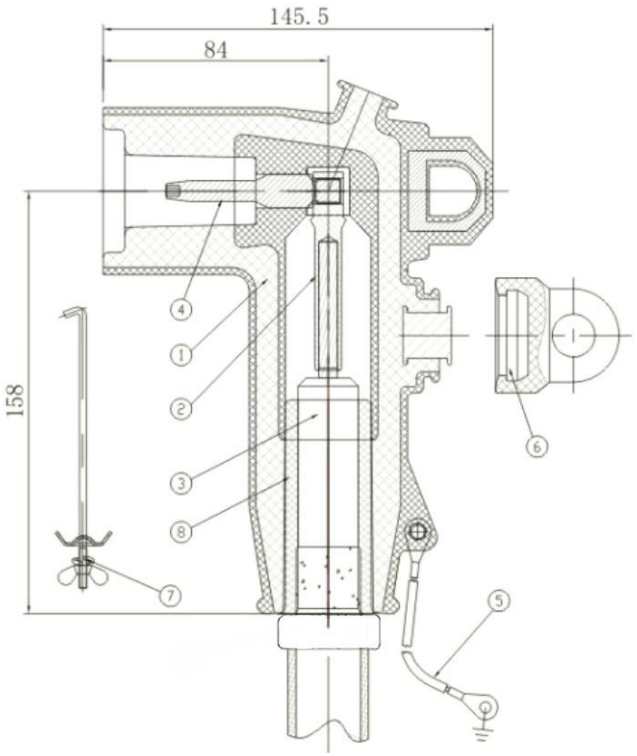
- Quick and easy assembly
- Integrated stress control, Separate termination not required
- Metal housing or capacitive measuring point

$U_0/U(U_m)$

6/10(12)kV
6.35/11(12)kV
8.7/15(17.5)kV
12/20(24)kV
12.7/22(24)kV
18/30(36)kV

Design

1. Elbow connector body
   Integrated stress control, conductive EPDM insert
   Insulating EPDM layer
   Conductive EPDM jacket
2. Cable lug
3. Cable
4. Contact pin
5. Earth Lead
6. Cap for measuring point
7. Bail restraint
8. Cable Reducer



Specifications and standard

EC24/36 meets the requirements of IEC 60502, GB/T 12706.4 and CENELEC HD629.1

Delivery scope

- 3 EC24/36 elbow connector
- Installation instructions
- Silicone grease
- Assembly kits

Exclusive service:

All bodies are scanned by X-Ray scanner before delivering to guarantee ZERO defect in inner struction
All bodies are tested for AC withstand prior to leaving the factory

Ordering instruction

Indicate the part number when ordering as table

Order example:
EC24/36-20/3.2 is for 3 cores 20kV 35-50 mm²

Classification and Dimension

Conductor cross-section (mm²)		Dia. over core insulation (mm)		Dia. of connector	Part. name
Min.	Max.	Min.	Max.		
$U_0/U(U_m)$ 6/10(12)kV - 6.35/11(12)kV					
50	95	16.2	20.9	14	EC24/36-10/1.1
120	150	21.7	23	18	EC24/36-10/1.2
185	240	24.1	26.5	20	EC24/36-10/1.3
	300	27	29.5	22	EC24/36-10/1.4
$U_0/U(U_m)$ 8.7/15(17.5)kV					
25	70	16.2	20.9	14	EC24/36-15/1.1
95	120	21.7	23	18	EC24/36-15/1.2
150	185	24.1	26.5	20	EC24/36-15/1.3
	240	27	29.5	22	EC24/36-15/1.4
	300	30.7	32.50	24	EC24/36-15/1.5
$U_0/U(U_m)$ 12/20(24)kV-12.7/22(24)kV					
35	50	16.2	20.9	14	EC24/36-20/1.1
	70	21.7	23	18	EC24/36-20/1.2
95	120	24.1	26.5	20	EC24/36-20/1.3
150	185	27	29.5	22	EC24/36-20/1.4
	240	30.7	32.50	24	EC24/36-20/1.5
$U_0/U(U_m)$ 18/30(36)kV					
35	50	24.1	26.5	20	EC24/36-30/1.1
70	95	27	29.5	22	EC24/36-30/1.2
120	150	30.7	32.50	24	EC24/36-30/1.3

Note: The classification and dimension apply for polymeric insulated XLPE cables with extruded conductive screen and stranded conductors. Please contact with our representative for more information for other cable type.

SC24/36

Medium voltage elbow connector, Interface A, upto 36kV, 250A

Application

SC24/36 is screened straightcable connector made of EPDM for cable connection to switchgear and transformers up to 36 kV with bushings type A (250 A) according to EN 50180, EN 50181

Features

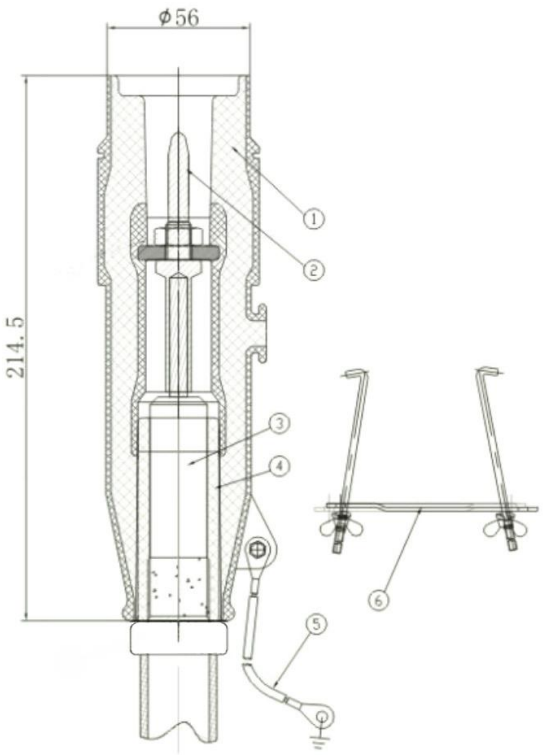
- Quick and easy assembly
- Integrated stress control, Separate termination not required
- Metal housing or capacitive measuring point

$U_0/U(U_m)$

6/10(12)kV
6.35/11(12)kV
8.7/15(17.5)kV
12/20(24)kV
12.7/22(24)kV
18/30(36)kV

Design

1. Elbow connector body
   Integrated stress control, conductive EPDM insert
   Insulating EPDM layer
   Conductive EPDM jacket
2. Cable lug
3. Cable
4. Cable reducer
5. Earth lead
6. Bail restraint fixing



Specifications and standard

SC24/36 meets the requirements of IEC 60502, GB/T 12706.4 and CENELEC HD629.1

Delivery scope

- 3 SC24/36 elbow connector
- Installation instructions
- Silicone grease
- Assembly kits

Exclusive service:

All bodies are scanned by X-Ray scanner before delivering to guarantee ZERO defect in inner struction
All bodies are tested for AC withstand prior to leaving the factory

Ordering instruction

Indicate the part number when ordering as table

Order example:
SC24/36-15/3.2 is for 3 cores 15kV 150-185 mm²

Classification and Dimension

Conductor cross-section (mm²)		Dia. over core insulation (mm)		Dia. of connector	Part. name
Min.	Max.	Min.	Max.		
$U_0/U(U_m)$ 6/10(12)kV - 6.35/11(12)kV					
50	95	16.2	20.9	14	SC24/36-10/1.1
120	150	21.7	23	18	SC24/36-10/1.2
185	240	24.1	26.5	20	SC24/36-10/1.3
	300	27	29.5	22	SC24/36-10/1.4
$U_0/U(U_m)$ 8.7/15(17.5)kV					
25	70	16.2	20.9	14	SC24/36-15/1.1
95	120	21.7	23	18	SC24/36-15/1.2
150	185	24.1	26.5	20	SC24/36-15/1.3
	240	27	29.5	22	SC24/36-15/1.4
	300	30.7	32.50	24	SC24/36-15/1.5
$U_0/U(U_m)$ 12/20(24)kV-12.7/22(24)kV					
35	50	16.2	20.9	14	SC24/36-20/1.1
	70	21.7	23	18	SC24/36-20/1.2
95	120	24.1	26.5	20	SC24/36-20/1.3
150	185	27	29.5	22	SC24/36-20/1.4
	240	30.7	32.50	24	SC24/36-20/1.5
$U_0/U(U_m)$ 18/30(36)kV					
35	50	24.1	26.5	20	SC24/36-30/1.1
70	95	27	29.5	22	SC24/36-30/1.2
120	150	30.7	32.50	24	SC24/36-30/1.3

Note: The classification and dimension apply for polymeric insulated XLPE cables with extruded conductive screen and stranded conductors. Please contact with our representative for more information for other cable type.

PIT

Plug in termination upto 42 kV for Gas-insulated switchgear up to 1250 A

Application

PIT is screened inner cone cable connector made of silicon rubber for cable connection to switchgear (RMU) and transformers up to 42 kV with inline bushings for connection type size 1(630A) 2 (800 A) and size 3 (1250 A) as per according to EN50180/50181

Features

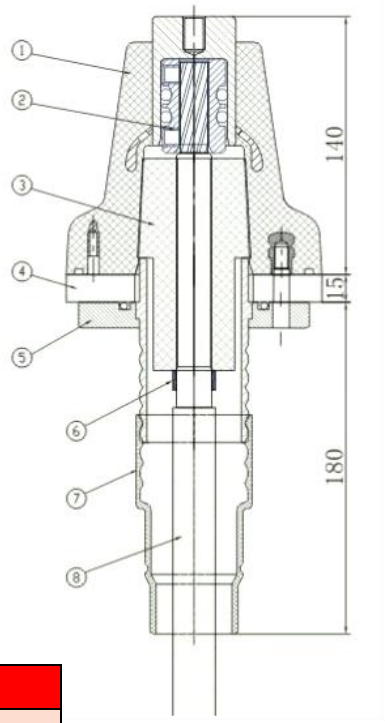
- Quick and easy assembly
- Single core, 50 - 630 mm2 conductor sizes
- The plug in termination system is metal-enclosed, hermetically insulated and suitable for submersion or outdoor use

$U_0/U(U_m)$

6/10(12)kV
6.35/11(12)kV
8.7/15(17.5)kV
12/20(24)kV
12.7/22(24)kV
18/30(36)kV
26/35(40.5)kV
20.8/36(42)kV

Design

1. Bushing
2. Contact fingers
3. Cone pluggable terminal
4. Socket mounting plate
5. Housing shell
6. Semi-conductive tape with steps
7. Silicon protective cover
8. Cable



Specifications and standard

PIT meets the requirements of IEC 60502, GB/T 12706.4 and CENELEC HD629.1

Model specification	PIT-1#	PIT-2#	PIT-3#
Rated voltage(kv)	42	42	42
Rated current (A)	630	800	1250
Power frequency voltage withstand(kV/5min)	117	117	117
Partial discharge (kV<10pC)	45	45	45
lighImpulse voltage (kV)	200	200	200
Thermally stable current (kA/2s)	23	23	23
Dynamic stable current (kA/10ms)	83	83	83
Section range of cable (mm)	50-150	50-400	50-630
Cable reducer (mm)	94	102	130

Exclusive service:

All bodies are scanned by X-Ray scanner before delivering to guarantee ZERO defect in inner struction

Ordering instruction

PIT-Model type-cable reducer

Order example:
PIT-1# 630A-18.5 is for 15kV 70 ~ 95sqmm and 20kV/50 ~ 70sqmm both

Classification and Dimension

Cable Reducer	Dia. over core insulation (mm)		Cross section (mm^2)			
	Min.	Max.	8.7/15(17.5) kV	12/20(24) kV	18/30(36) kV	20.8/36(42)kV
PIT-1# 630A						
18.5	20	22.4	70-95	50-70		
21	23.1	25.5	120-150	95-120	35	
23	26.2	27.8	185	150	50-70	
25	27.5	28.6	240	185	95	
27	30.7	32.5	300	240	120-150	50
30	33.1	35.1	400	300	185	70-95
33	36.1	39.6	500	400	240-300	120-150
PIT-2# 800A						
18.5	20	22.4	70-95	50-70		
21	23.1	25.5	120-150	95-120	35	
23	26.2	27.1	185	150	50-70	
25	27.5	28.6	240	185	95	
27	30.7	31.9	300	240	120-150	50
30	33.1	35.1	400	300	185	70-95
33	36.1	39.6	500-630	400-500	240-300	120-185
37	40.2	47.1		630	400-500	240-400
PIT-3# 1250A						
27	33.1	36.1	300-400	240-400	120-185	35-50
30.5	33.4	35.1	500-630	500	240-300	70-95
33	36.5	39.6		630	400	120-185
38.5	41.9	44.1			500-630	240-300
40.5	47.1	50.3				400-500

Note: The classification and dimension apply for polymeric insulated XLPE cables with extruded conductive screen and stranded conductors. Please contact with our representative for more information for other cable type

PEC

End cover, upto 42kV

Application

PEC is used to install in the casing, socket, spare inlet and outlet ports, for insulation and sealing

Features

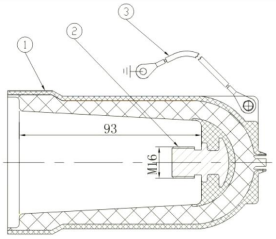
- Quick and easy assembly
- Superior electrical performance
- Full insulated, full sealed, full shielded
- Excellent safty, touchable

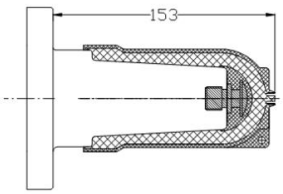
$U_0/U(U_m)$

6/10(12)kV
6.35/11(12)kV
8.7/15(17.5)kV
12/20(24)kV
12.7/22(24)kV
18/30(36)kV
26/35(40.5)kV
20.8/36(42)kV

Design

1. End Cover body
   conductive EPDM insert
   Insulating EPDM layer
   Conductive EPDM jacket
2. Earth lead

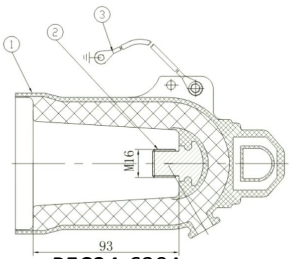


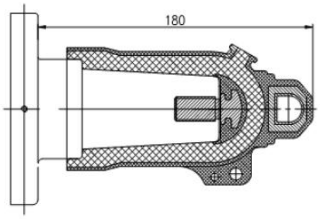


PEC15-630A,
Interface C

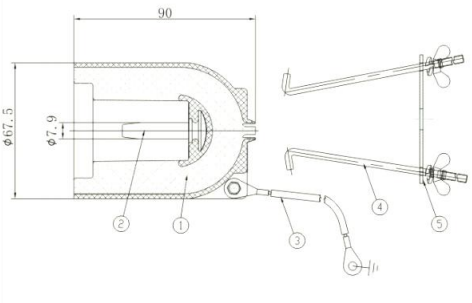
Delivery scope

- 3 PEC end cover
- Installation instructions

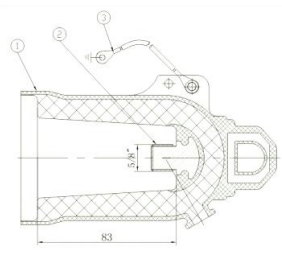




PEC24-630A
PEC36-630A
PEC42-630A
Interface C



PEC15-250A
PEC24-250A
Interface A



PEC15-600A
PEC24-600A
Interface D

PIC

Medium voltage, unscreened insulating adapters up to 24kV

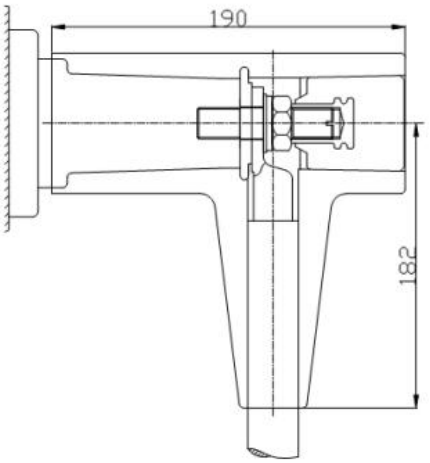
Application

The PIC is for outer cone bushing type C according to EN-50181, and medium voltage heat shrink and cold applied terminations are ideal when clearances are insucient for operation or to protect against flashovers.

The insulated adapter termination system provides perfect sealing, electrical insulation and an electrical connection between terminations and SF6-insulated switchgear up to 24 kV

Design

1. Perfect sealing, electrical insulation and electrical connection
2. Connection to bushing Type C according EN50180 and EN50181
3. The adapter is compatible with all heat shrink or cold applied terminations
4. The adapters are water tight



Specifications and standard

PIC meets the requirements of IEC 60502, GB/T 12706.4 and CENELEC HD629.1

Delivery scope

- 3 PIC adapters
- 3 studs and plug
- Installation instructions
- Silicone grease

Exclusive service:

All adapters are scanned before delivering by X-Ray scanner to guarantee ZERO defect in inner struction
All bodies are tested for AC withstand prior to leaving the factory

Ordering instruction

Indicate the part number when ordering as table

Order example:
PIC-33 is for 3 cores 20kV 95-185 mm²

Classification and Dimension

Conductor cross-section (mm²)		Diameter of Termination (mm)		Art.-No.
Min.	Max.	Min.	Max.	
$U_0/U(U_m)$ 6/10(12)kV - 6.35/11(12)kV				
70	150	21.5	28	PIC-23
185	240	27	35	PIC-33
$U_0/U(U_m)$ 8.7/15(17.5)kV				
50	95	21.5	28	PIC-23
120	185	27	35	PIC-33
$U_0/U(U_m)$ 12/20(24)kV				
25	70	21.5	28	PIC-23
95	185	27	35	PIC-33

Note: The classification and dimension apply for polymeric insulated XLPE cables with extruded conductive screen and stranded conductors. Please contact with our representative for more information for other cable type

CABLE JOINT

Cold shrink straight joint
Prefabricated straight joint
upto 42 kV

JLSC

Cold shrink straight joint with EPDM cold shrink protection upto 42kV

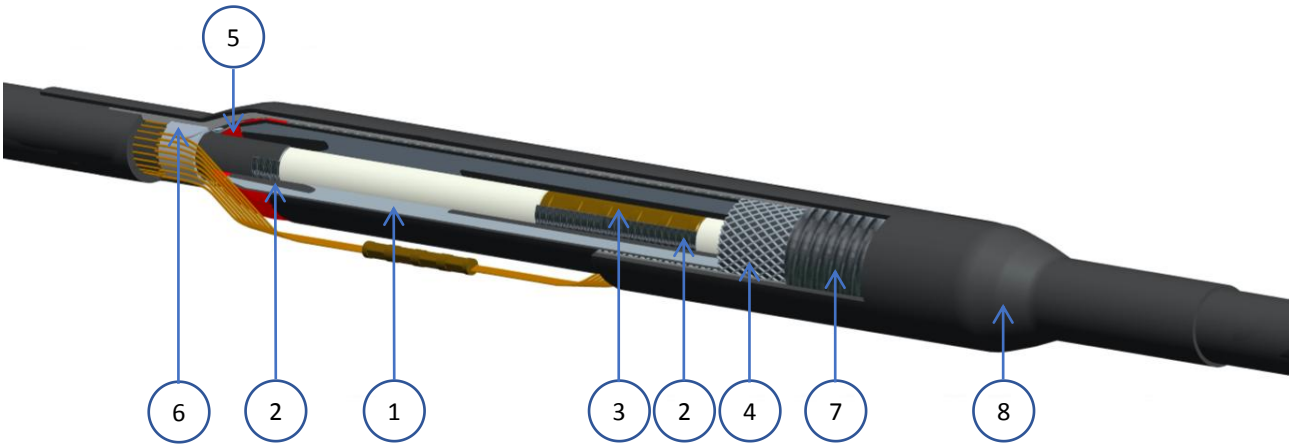
Application

The JLSC The cold-shrinkable straight joint is suitable for jointing polymeric insulated medium voltage cables with extruded easy strip conductive screen or bonded extruded conductive screen, copper wire or copper tape screened and non-armoured.

EPDM cold shrink sleeve offer mechnical protection and enveronmental sealing, design for single core cable joint. with additional mounting materials, It is applicable for other cables type, please contact our representative for those application

$U_0/U(U_m)$

6/10(12)kV
6.35/11(12)kV
8.7/15(17.5)kV
12/20(24)kV
12.7/22(24)kV
18/30(36)kV
26/35(40.5)kV
20.8/36(42)kV



Design

1. Three layers joint body with a conductive outer layer, an insulating layer and integrated conductive inner layer for electrical stress control.
2. Self amalgamating conductive tape
3. Compression or mechnical connector
4. Copper mesh
5. Red Sealant mastic
6. Non-magnetic constant force spring
7. Composite insulating water proof tape
8. EPDM cold shrink outer jacket

Kit content

- A JLS joint body
- EPDM Cold shrink jacket
- Copper mesh
- Non-magnetic constant force spring
- Self amalgamating conductive tape
- Composite insulating water proof tape
- Silicone grease
- Installation instructions
- Assembly kits (for different cable type)

Specifications and standard

JLSC cold shrink straight joint meets the requirements of CENELEC HD 629.1. and IEC 60502

Exclusive service:

- All joint bodies are scanned before delivering by X-Ray scanner to guarantee ZERO defect in inner struction
- All joint bodies are tested for AC withstand before delivering

Ordering instruction

Select product by dia. over core insulation.

Order example:
Single-core straight joint
Nominal voltage 12/20 kV,
Dia. over core insulation 23-33mm
Conductor cross-section 95-240 mm²
Part. name: JLSC-20/1.2

Classification and Dimension

Conductor cross-section (mm²)		Dia. over core insulation (mm)		Art.-No.
Min.	Max.	Min.	Max.	
$U_0/U(U_m)$ 6/10(12)kV - 6.35/11(12)kV				
25	50	13.5	16.2	JLSC-10/1.1
70	120	16.5	21	JLSC-10/1.2
150	240	23	26.5	JLSC-10/1.3
300	400	27	30.5	JLSC-10/1.4
$U_0/U(U_m)$ 8.7/15(17.5)kV				
25	50	13.5	16.2	JLSC-15/1.1
70	120	16.5	21	JLSC-15/1.2
150	240	23	26.50	JLSC-15/1.3
300	400	30.7	35	JLSC-15/1.4
500	800	37	46	JLSC-15/1.5
$U_0/U(U_m)$ 12/20(24)kV				
35	70	16.2	23	JLSC-20/1.1
95	185	25	29.5	JLSC-20/1.2
240	400	30	34	JLSC-20/1.3
500	630	39.5	46	JLSC-20/1.4
$U_0/U(U_m)$ 18/30(36)kV				
35	70	22	27	JLSC-30/1.1
95	185	29.5	34	JLSC-30/1.2
240	400	39.5	46	JLSC-30/1.3
500	800	44	54	JLSC-30/1.4
$U_0/U(U_m)$ 20.8/36(42)kV				
50	70	29.5	30	JLSC-42/1.1
95	185	32	35	JLSC-42/1.2
240	400	38	44	JLSC-42/1.3
500	800	48	54	JLSC-42/1.4

Note: The classification does only apply for polymeric insulated XLPE cables with extruded conductive screen and stranded conductors. For other cables, Please contact with our representative.

JLSW

Cold shrink straight joint with armour-wrap protection upto 42kV

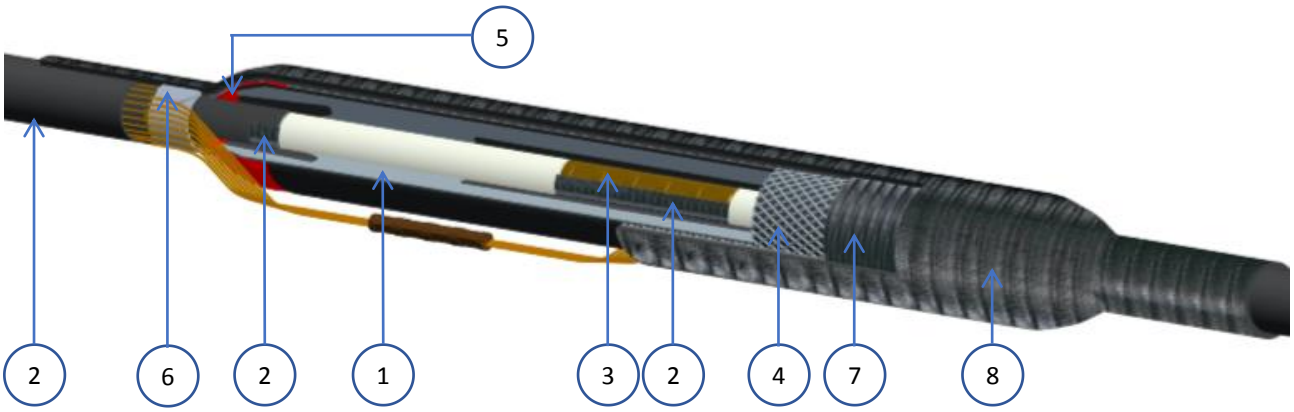
Application

The JLSW The cold-shrinkable straight joint is suitable for jointing polymeric insulated medium voltage cables with extruded easy strip conductive screen or bonded extruded conductive screen, copper wire or copper tape screened and non-armoured.

Wrap-wrap tape outer jacket offer excellent mechanical protection and environmental seal. Design for single and three cores cable joint both. with other mounting materials, It is applicable for other cables type, please contact our representative for those application

$U_0/U(U_m)$

6/10(12)kV
6.35/11(12)kV
8.7/15(17.5)kV
12/20(24)kV
12.7/22(24)kV
18/30(36)kV
26/35(40.5)kV
20.8/36(42)kV



Design

1. Three layers joint body with a conductive outer layer, an insulating layer and integrated conductive inner layer for electrical stress control.
2. Self amalgamating conductive tape
3. Compression or mechnical connector
4. Copper mesh
5. Red Sealant mastic
6. Non-magnetic constant force spring
7. Composite insulating water proof tape
8. Armour-wrap tape outer jacket

Kit content

- A JLS joint body
- Armour-wrap tape
- Copper mesh
- Non-magnetic constant force spring
- Self amalgamating conductive tape
- Composite insulating water proof tape
- Silicone grease
- Installation instructions
- Assembly kits (for different cable type)

Specifications and standard

JLSW cold shrink straight joint meets the requirements of CENELEC HD 629.1. and IEC 60502

Exclusive service:

- All joint bodies are scanned before delivering by X-Ray scanner to guarantee ZERO defect in inner struction
- All joint bodies are tested for AC withstand before delivering

Ordering instruction

Select product by dia. over core insulation.

Order example:
Three-cores straight joint
Nominal voltage 12/20 kV,
Dia. over core insulation 23-33mm
Cross-section 95-240 mm²
Part. name: JLSW-20/3.2

Classification and Dimension

Conductor cross-section (mm²)		Dia. over core insulation (mm)		Art.-No.
Min.	Max.	Min.	Max.	
$U_0/U(U_m)$ 6/10(12)kV - 6.35/11(12)kV				
25	50	13.5	16.2	JLSW-10/1.1
70	120	16.5	21	JLSW-10/1.2
150	240	23	26.5	JLSW-10/1.3
300	400	27	30.5	JLSW-10/1.4
$U_0/U(U_m)$ 8.7/15(17.5)kV				
25	50	13.5	16.2	JLSW-15/1.1
70	120	16.5	21	JLSW-15/1.2
150	240	23	26.50	JLSW-15/1.3
300	400	30.7	35	JLSW-15/1.4
500	800	37	46	JLSW15/1.5
$U_0/U(U_m)$ 12/20(24)kV				
35	70	16.2	23	JLSW-20/1.1
95	185	25	29.5	JLSW-20/1.2
240	400	30	34	JLSW-20/1.3
500	630	39.5	46	JLSW-20/1.4
$U_0/U(U_m)$ 18/30(36)kV				
35	70	22	27	JLSW-30/1.1
95	185	29.5	34	JLSW-30/1.2
240	400	39.5	46	JLSW-30/1.3
500	800	44	54	JLSW-30/1.4
$U_0/U(U_m)$ 20.8/36(42)kV				
50	70	29.5	30	JLSW-42/1.1
95	185	32	35	JLSW-42/1.2
240	400	38	44	JLSW-42/1.3
500	800	48	54	JLSW-42/1.4

Note: The classification does only apply for polymeric insulated XLPE cables with extruded conductive screen and stranded conductors. For other cables, Please contact with our representative.

JLSR

Cold shrink straight joint with epoxy resin protection upto 42kV

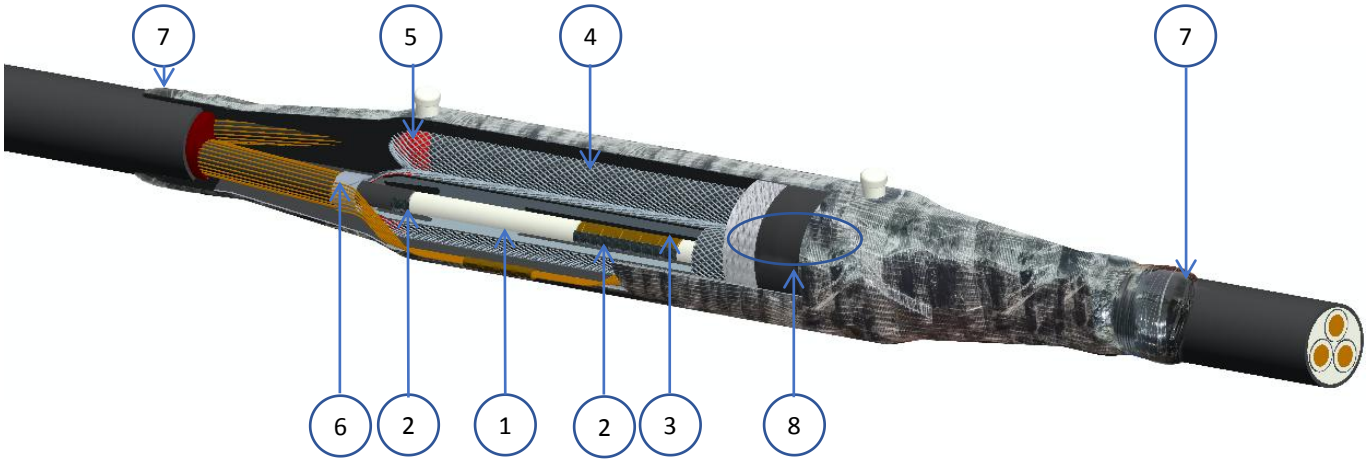
Application

The JLSR The cold-shrinkable straight joint is suitable for jointing polymeric insulated medium voltage cables with extruded easy strip conductive screen or bonded extruded conductive screen, copper wire or copper tape screened and non-armoured.

Outer jacket consist of gap tape, epoxy cast resin and fibre enforced tape offer excellent mechanical strength and environmental seal. Design for 3 cores cable joint in aggressive condition.

$U_0/U(U_m)$

6/10(12)kV
6.35/11(12)kV
8.7/15(17.5)kV
12/20(24)kV
12.7/22(24)kV
18/30(36)kV
26/35(40.5)kV
20.8/36(42)kV



Design

1. Three layers joint body with a conductive outer layer, an insulating layer and integrated conductive inner layer for electrical stress control.
2. Self amalgamating conductive tape
3. Compression or mechnical connector
4. Copper mesh
5. Red Sealant mastic
6. Non-magnetic constant force spring
7. Composite insulating water proof tape
8. Outer jacket consist of space tape, epoxy cast resin and fibre enforced tape

Kit content

- 3 × JLS joint body
- Materials for out jacket: Gap tape, fibre enforced tape, Two-component epoxy cast resin outer jacket
- Copper mesh
- Non-magnetic constant force spring
- Self amalgamating conductive tape
- Composite insulating water proof tape
- Silicone grease
- Installation instructions
- Assembly kits (for different cable type)

Specifications and standard

JLSR cold shrink straight joint meets the requirements of CENELEC HD 629.1. and IEC 60502

Exclusive service:

- All joint bodies are scanned before delivering by X-Ray scanner to guarantee ZERO defect in inner struction
- All joint bodies are tested for AC withstand before delivering

Ordering instruction

Select product by dia. over core insulation.

Order example:
Nominal voltage 12/20 kV,
Dia. over core insulation 23-33mm
Conductor cross-section 95-240 mm²
Part. name: JLSR-20/3.2

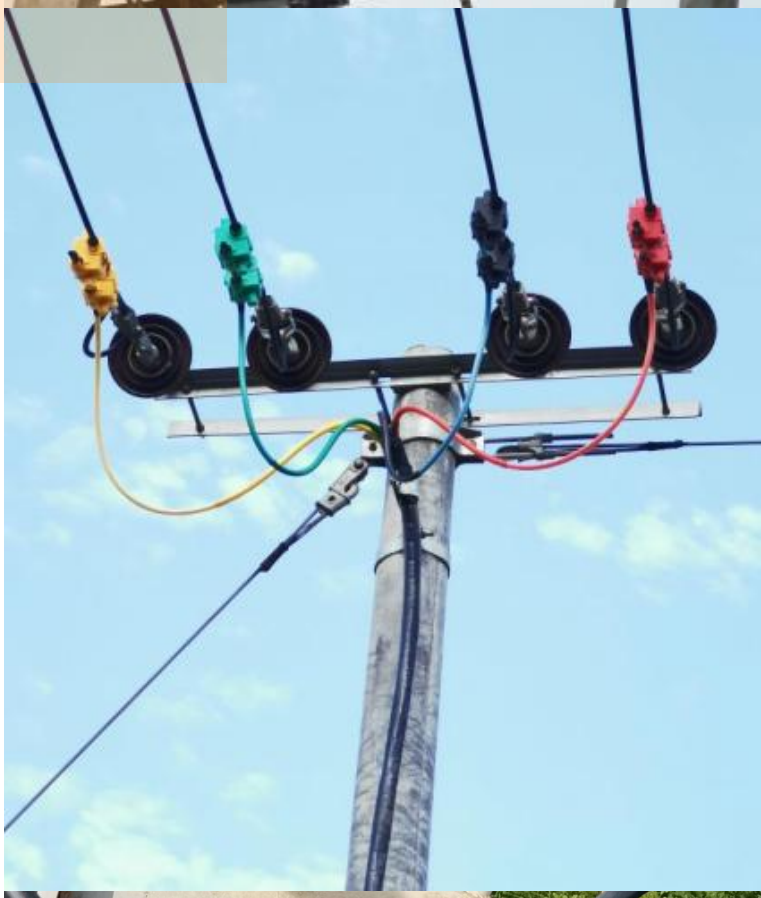
Classification and Dimension

Conductor cross-section (mm^2)		Dia. over core insulation (mm)		Art.-No.
Min.	Max.	Min.	Max.	
$U_0/U(U_m)$ 6/10(12)kV - 6.35/11(12)kV				
25	50	13.5	16.2	JLSW-10/3.1
70	120	16.5	21	JLSW-10/3.2
150	240	23	26.5	JLSW-10/3.3
300	400	27	30.5	JLSW-10/3.4
$U_0/U(U_m)$ 8.7/15(17.5)kV				
25	50	13.5	16.2	JLSW-15/3.1
70	120	16.5	21	JLSW-15/3.2
150	240	23	26.50	JLSW-15/3.3
300	400	30.7	35	JLSW-15/3.4
500	800	37	46	JLSW-15/3.5
$U_0/U(U_m)$ 12/20(24)kV				
35	70	16.2	23	JLSW-20/3.1
95	185	25	29.5	JLSW-20/3.2
240	400	30	34	JLSW-20/3.3
500	630	39.5	46	JLSW-20/3.4
$U_0/U(U_m)$ 18/30(36)kV				
35	70	22	27	JLSW-30/3.1
95	185	29.5	34	JLSW-30/3.2
240	400	39.5	46	JLSW-30/3.3
500	800	44	54	JLSW-30/3.4
$U_0/U(U_m)$ 20.8/36(42)kV				
50	70	29.5	30	JLSW-42/3.1
95	185	32	35	JLSW-42/3.2
240	400	38	44	JLSW-42/3.3
500	800	48	54	JLSW-42/3.4

Note: The classification does only apply for polymeric insulated XLPE cables with extruded conductive screen and stranded conductors. For other cables, Please contact with our representative.

ELECTRICAL POWER FITTING

Self-locking connector
Lug and connector
Solderless earthing components



PCF

Cable fastener upto 10kV

Application

For fastening and fixing aerial conductor upto 10kV, The cable fastener is suitable for cable and wire fastening in a variety of circumstances: such as ending, return or middle of power lines, top or flank of insulator

Features:

- Stainless steel, no corrosion, no rust in aggresive condition.
- Safty: the aerial conductor does not contact the metal bracket.
- Excellent reliablilty: no loose and out of position after installed
- Easy and fast installation, using standard tool press the switch to complete installation。
- Easy to maintainance: clear marking and different colors for phase identification

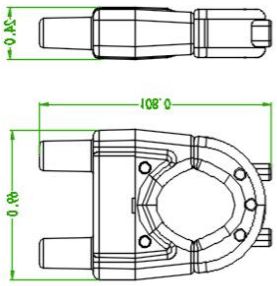
Typical technical performances

Test Items	Test Method	Typical Value
Tensile strength	3000 N	No breaking
Heat aging	100℃ for 168hrs	No cracking, deformation or color difference
High temperature	90℃ for 24hrs, 2kg	No cracking, deformation
Low temperature	-25℃ for 16hrs	No cracking, deformation
Salt fog test	5% NaCl, 30℃, 48 hrs	No corrosion

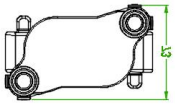
Dimensions

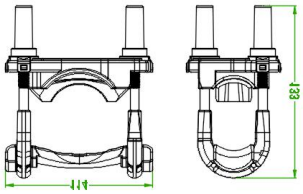
Part name	Section of contactor (mm2)	Unit	Application
PCF-J 10/120	10 ~ 120	Set	Middle of power lines
PCF-J 150/300	150 ~ 300	Set	Middle of power lines
PCF-T 10/120	10 ~ 120	Set	Top of insulator
PCF-T 150/300	150 ~ 300	Set	Top of insulator
PCF-D1 50/300	50 ~ 300	Set	Ending and returning of power lines
PCF-D2 50/300	50 ~ 300	Set	Ending and returning of power lines
PCF-F1 50/300	50 ~ 300	Set	Flank of insulator
PCF-F2 50/300	50 ~ 300	Set	Flank of insulator

PCF-T

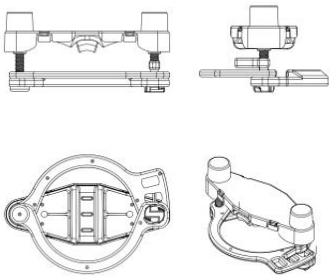


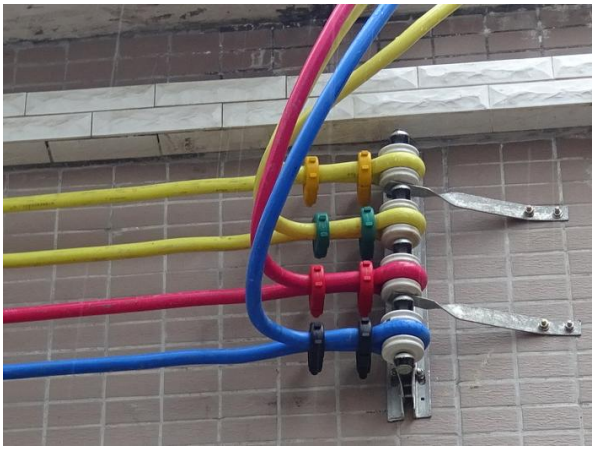
PCF-J



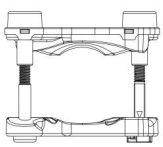


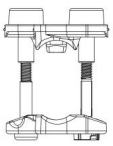
PCF-D





PCF-F



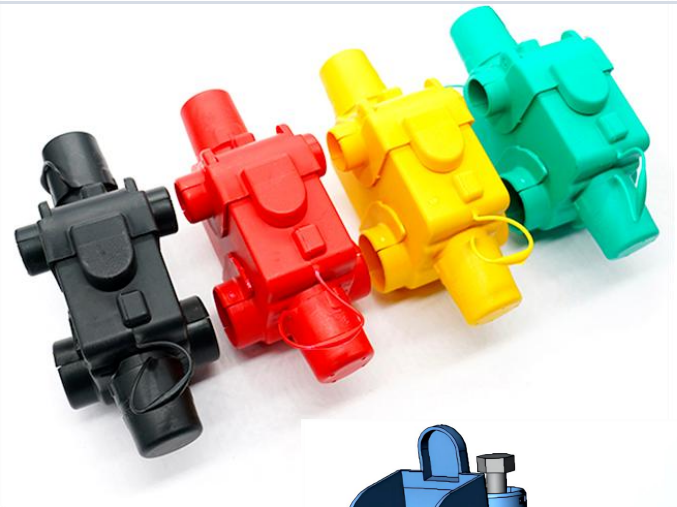


PSL

All-purpose self-locking connector upto 10kV

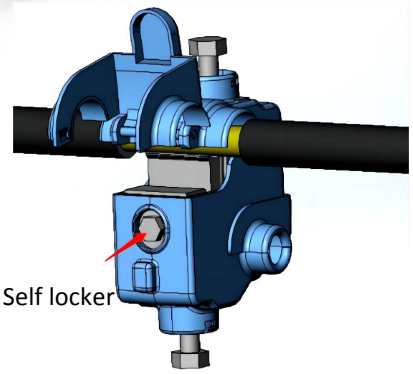
Application

For all-purpose connections of insulated aluminum and copper main and branch conductors up to 10kV in the transmission and distribution system



Features:

- All-purpose
- Slef-locking, constant clamping force, free from maintainance.
- Larged conntect area with contactor, excellent overcurrent capacity
- Easy and fast installation, no additional training
- Clearly marking and different colors for phase identification



Typical technical performances

Test Items	Test Method	Typical Value
Heat aging of insulation jacket	80℃ for168hrs	No cracking, No breaking, No flashover mark
AC withstand of insulation jacket	50Hz, 3.5kV 5 Min	No flashover, No breakdown
DC resistance testing		≤1.1 resistant of same length cable conductor
Temperature-rise test		≤ the temp. of cable conductor in same condition
Clamping strength test		≥10% tensile strength of cable conductor
Salt fog test	5% NaCl, 30℃,48hrs	No corrosion

Dimensions

Part name	Section of contactor (mm2) Main/Branch	Unit	Colors
PSL-(16-120)/(16-120)	16-120/16-120	Kit	Black, Red, Green, Yellow
PSL-(150-300)/(16-120)	150-300/16-120	Kit	Black, Red, Green, Yellow
PSL-(150-300)/(150-300)	150-300/150-300	Kit	Black, Red, Green, Yellow

PLTY

Compact self-locking connector for power cable upto 10kV

Application

For connections of insulated aluminum and copper main and branch conductors up to 10kV in the transmission and distribution system

Features:

- Slef-locking, constant clamping force, free from maintainance.
- Larged conntect area with contactor, excellent overcurrent capacity
- Easy and fast installation, no additional training
- Clearly marking and different colors for phase identification

Typical technical performances

Test Items	Test Method	Typical Value
Heat aging of insulation jacket	80℃ for168hrs	No cracking, No breaking, No flashover mark
AC withstand of insulation jacket	50Hz, 3.5kV 5 Min	No flashover, No breakdown
DC resistance testing		≤1.1 resistant of same length cable conductor
Temperature-rise test		≤ the temp. of cable conductor in same condition
Clamping strength test		≥10% tensile strength of cable conductor
Salt fog test	5% NaCl, 30℃,48hrs	No corrosion

Dimensions

Part name	Section of contactor (mm2) Main/Branch	Unit	Colors
PLTY-(16-120)/(16-120)	16-120/16-120	Kit	Black, Red, Green, Yellow
PLTY-(150-300)/(16-120)	150-300/16-120	Kit	Black, Red, Green, Yellow
PLTY-(150-300)/(150-300)	150-300/150-300	Kit	Black, Red, Green, Yellow

Installation

applicable for PSL and PLTY

1. Remove insulation of branch cable to suitable length while reserve 10mm at end to keep cable in good shape.

2. Position prepared cable at branch clamp of PLTY, tighten the screw with a wrench

3. Lock the insulation cover

4. Repeat step 1-3 to install main cable

PSLX

Self-locking connector for pole-mounted overhead transformer

Application

For connection of pile head of pole-mounted overhead transformer in the transmission and distribution system

Features

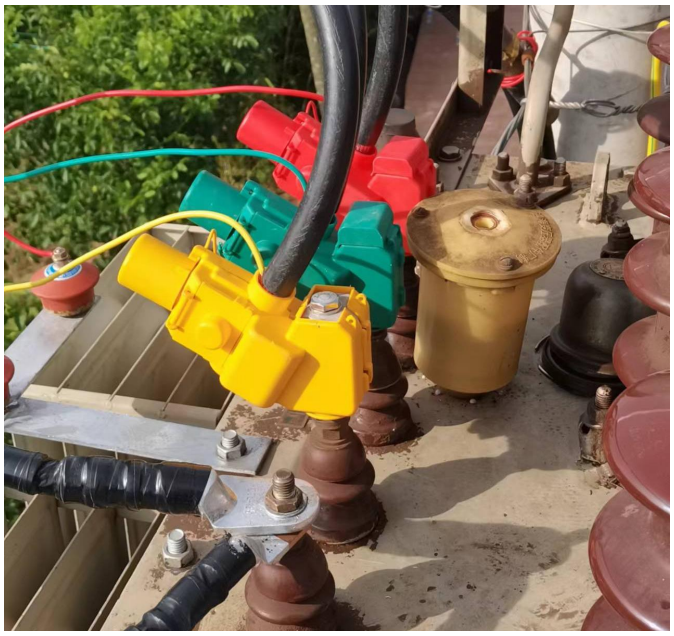
- Silicon magnesium alloy suitable for copper and alumium conductor
- Self locking, constant clamping force, free from maintainance.
- Larged conntect area with contactor, excellent overcurrent capacity
- Easy and fast installation, no additional training
- Clearly marking and different colors for phase identification

Typical technical performances

Test Items	Test Method	Typical Value
Appearance inspection		smooth, No cracks, lamination and peeling
Heat aging of insulation jacket	80℃ for168hrs	No cracking, No breaking, No flashover mark
AC withstand of insulation jacket	50Hz, 18kV 1 Min	No flashover, No breakdown
DC resistance testing		≤1.1 resistant of same length cable conductor
Temperature-rise test		≤ the temp. of cable conductor in same condition
Salt fog test	5% NaCl, 30℃,48hrs	No corrosion

Dimensions

Part name	Section of contactor (mm2)	Unit	Colors	Application
PSLX-(M10-16)/(25-120)	M10-16/25-120	Kit	Black, Red, Green, Yellow	Angle pile head
PSLX-(M18-20)/(150-300)	M18-20/150-300	Kit	Black, Red, Green, Yellow	Angle pile head
PSLZ-(M10-16)/(25-120)	M10-16/25/120	Kit	Black, Red, Green, Yellow	Straight pile head
PSLZ-(M18-20)/(150-300)	M18-20/150-300	Kit	Black, Red, Green, Yellow	Straight pile head



Installation

1. Open the cap for screw, Loosen the screw and take off wedge taper

2. Tighten the wedge taper on the pile stud of transformer.
3. Position PLSX on wedge taper and tighten the screw for it, lock the cap.

4. Remove the insulation layer at the end of cable with suitable length.
5. Position prepared conductor into clamp of PLSX and tighten the screw and cover, wrap insulation tape at both ends of cable for waterproof.

PML

Medium voltage, mechnical aluminium lug

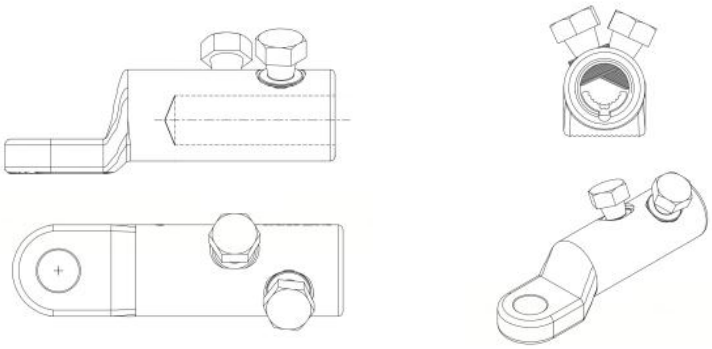
Application

For connection of copper cable, aluminium cable or aluminium alloy cable with aluminium end of electrical equipment in medium voltage.

Features

Material:
Body: high strength aluminium alloy
Bolts: brass or aluminium alloy

Surface: Tin plated
Centre with block.
Prefilled with jointing compound
Wide application range
Standard:IEC 61238-1:2003
No needs of crimping tools but only a socket spanner or a wrench.



Dimensions

Part. name	Conductor Size (mm^2)	Outer Diameter (mm)	Number of Bolts	Shear-off Torque (N·m)	Wrench size
PML25-95-12/1	25-95	24	1	17	13
PML25-95-16/1		24	1	17	13
PML35-150-12/1	35-150	28	1	31	17
PML35-150-16/1		28	1	31	17
PML70-240-12/2	70-240	33	2	36	19
PML70-240-16/2		33	2	36	19
PML120-300-12/2	120-300	38	2	40	22
PML120-300-16/2		38	2	40	22
PML185-400-12/3	185-400	42	3	43	22
PML185-400-16/3		42	3	43	22
PML300-630-12/3	300-630	52	3	56	24
PML300-630-16/3		52	3	56	24

PMC

Medium voltage, mechnical aluminium connector

Application

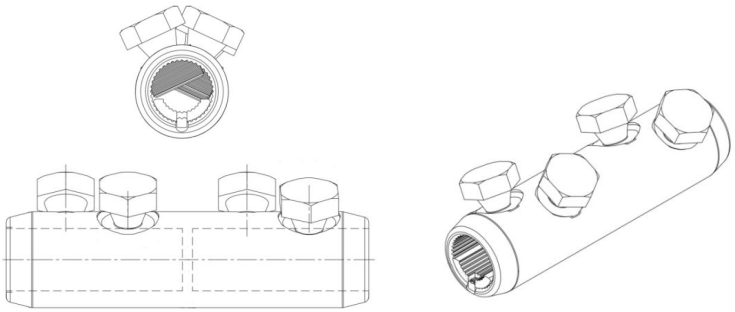
For intermediate connection of copper cable, aluminium cable and aluminium alloy cable in medium voltage.

.

Features

Material:
Body: high strength aluminium alloy
Bolts: brass or aluminium alloy

Surface: Tin plated
Centre with block.
Prefilled with jointing compound
Wide application range
Standard:IEC 61238-1:2003
No needs of crimping tools but only a socket spanner or a wrench.



Dimensions

Part. name	Conductor Size (mm^2)	Outer Diameter (mm)	Number of Bolts	Shear-off Torque (N·m)	Wrench size
PMC25-95/2	25-95	24	2	17	13
PMC35-150/2	35-150	28	2	31	17
PMC70-240/4	70-240	33	4	36	19
PMC120-300/4	120-300	38	4	40	22
PMC185-400/6	185-400	42	6	43	22
PMC300-630/6	300-630	52	6	56	24

PMLC

Medium voltage, mechnical aluminium lug for separable connector

Application

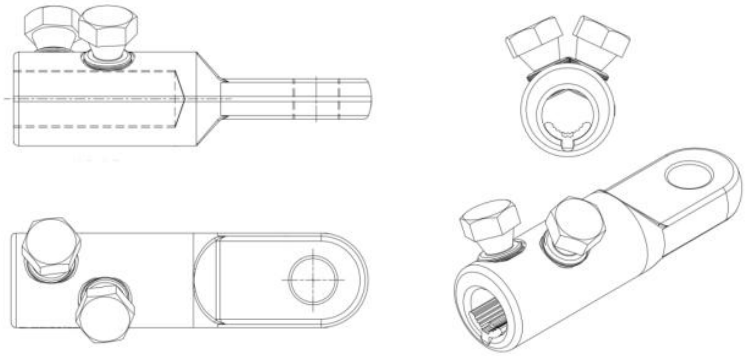
For Tee type separable connector, connection of copper cable, aluminium cable or aluminium alloy cable with aluminium end of electrical equipment in medium voltage.

.

Features

Material:
Body: high strength aluminium alloy
Bolts: brass or aluminium alloy

Surface: Tin plated
Centre palm
Prefilled with jointing compound
Wide application range
Standard:IEC 61238-1:2003
No needs of crimping tools but only a socket spanner or a wrench.



Dimensions

Part. name	Conductor Size (mm^2)	Outer Diameter (mm)	Number of Bolts	Shear-off Torque (N·m)	Wrench size
PMLC25-95-16/1	25-95	24	1	17	13
PMLC35-150-16/1	70-240	29	1	31	17
PMLC70-240-16/2	185-400	33	2	36	19
PLMC120-300-16/2	120-300	38	2	40	22
PMLC185-400-16/3	185-400	42	3	43	22
PMLC300-630-16/3	300-630	52	3	56	24

PCLC

Medium voltage, compression copper Lug for separable connector

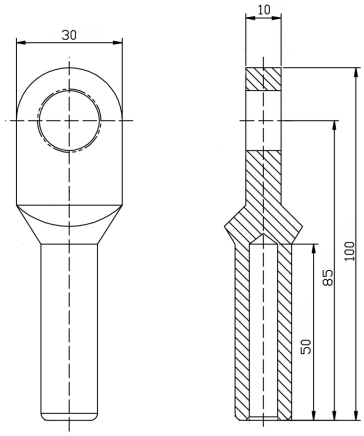
Application

For Tee type separable connector, connection of copper cable with copper end of electrical equipment in medium voltage.

.

Features

Material: Cu≥ 99.9%
Surface: Tin plated
Centre palm



Dimensions

Part. name	Conductor Size (mm^2)	D (mm)	d (mm)	B (mm)	L(mm)
PCLC-25	25	11	7	30	85
PCLC-35	35	13	8.5	30	85
PCLC-50	50	14	9.6	30	85
PCLC-70	70	16	12	30	85
PCLC-95	95	18	13	30	85
PCLC-120	120	20	15	30	85
PCLC-150	150	22	16	30	85
PCLC-185	185	25	18	30	85
PCLC-240	240	27	20	30	85
PCLC-300	300	30	23	30	85
PCLC-400	400	34	26	30	85

PCFS

Non-magnetic, constant force spring

Application

PCFS is made from fatigue Resistant Stainless Steel which had been heat-treated and coiled.

Typical application is for solderless shield and armour Connections, Securing grade brades when splicing and terminating power cable.

Features

- Easily applied by rolling onto the sheath connections
- Exert a constant pressure whereupon
- Nonmagnetic

Dimensions

Part. name	Application range/mm		Dimensions/mm			
	Min.	Max.	Inner dia.	Width	Thickness	Length
PCFS-A	12	20	10	13	0.15	280
PCFS-K	12	20	10	13	0.15	400
PCFS-B	17	28	14	13	0,18	400
PCFS-C	25	40	20	13	0,2	570
PCFS-D	36	60	30	13	0,26	850
PCFS-E	17	29	14	25	0.2	570
PCFS-F	30	39	22	25	0,3	700
PCFS-G	40	60	30	25	0,35	950
PCFS-H	50	75	38	30	0.4	1100
PCFS-I	50	75	38	30	0.4	1350
PCFS-L	57	85	45	30	0,4	1350
PCFS-M	23	45	25	25	0.33	800
PCFS-N	25	34	25	20	0.25	650
PCFS-O	85	110	70	30	0,4	1500
PCFS-U	110	135	70	30	0,65	1700

Special sizes are available upon request

PCM

Tinned copper mesh

Application

Copper wire mesh: PCM is used in conjunction with medium and high voltage ground braids to provide shield continuity when splicing shielded power cables.

It works with PCFS-non-magnetic constant force spring to ensure the correct screen connection across the joint area and make electrical contact with the outer screen of the joint.

Dimensions

Part. name	Diameter of wire/mm	Width of Mesh/mm	Lenght/mm
PCM-50	0.13	50	5000
PCM-60	0.13	60	5000
PCM-70	0.13	70	5000
The mesh should be applied with a slight tensile force, with half overlap. Both ends need to be fixed with PCFS. Special width and length are available up on request.			

PEB

Tinned copper earth braided

Application

PEB electrical grounding braid is tinned copper wires woven grounding braid in a flat, cable -like form. For grounding high-voltage joints, terminations, cables or other cable accessories, to provide a fault current path across shielded cable joints.

PEB is supplied with soldered water block and lug, or constant length in spool

Dimensions

Part. name	Cross Section/mm2	Diameter if wire/mm	Length/mm
PEB-7	7	0.15	200~2000
PEB-10	10	0.15	200~2000
PEB-16	16	0.15	200~2000
PEB-20	20	0.15	200~2000
PEB-25	25	0.15	200~2000
PEB-35	35	0.15	200~2000
PEB-50	50	0.15	200~2000
Remark: Earth Braid with moisture blocker or lug are available upon request			

TUBING & MOULDED PARTS

Heat & Cold Shrink Tubing
Wrap Around Sleeve
Moulded Parts

PMWC

Heat-shrink tubing, medium wall, weather and UV-resistant, with co-extruded adhesive

Features

- Made of modified polyolefin with very high electrical, mechanical, weathering and corrosion properties
- For a tight connection or stress relief, Tubing with an internal adhesive coating that melts and seals after shrunk
- Continuous operating temperature: -40℃ to +120℃
- Halogen-free, UV and weather resistant

Application

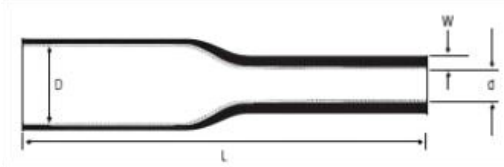
- For electrical insulation where good insulation and mechanical protection is required.
- For protection against UV radiation on tails in the case of low-voltag terminations, as well as corrosion protection.

Material:

Modified polyolefin

Conform to:

IEC 60684-3-247



Typical technical performances:

Test Items	Test Method	Typical Value
Tensile strength	ASTM D 2671	12MPa Min.
Utimate elongation	ASTM D 2671	350% Min.
Tensile strength after Aging at 150℃ for 168hrs	ASTM D 2671	12MPa Min.
Ultimate elongation after Aging at 150℃ for 168hrs	ASTM D 2671	300% Min.
Density	ASTM D 792	1.0~1.1g/cm³
Dielectric strength	ASTM D 60243	12kV/mm Min.
Volume resistivity	ASTM D 2671	$10^{12}\Omega\cdot$cm Min.
Low temperature flexiblity -40℃/4hrs	ASTM D 2671	No cracking of outer jacket
Properties of hot melt adhesive		
Softening point	ASTM E28	105+/-5℃
Peel strength(PE)	ASTM D 2671	4N/cm Min.
Water absorption	ISO62	0.2% Max.

Dimensions

in spool:

Part. name	As supplied D(min.)	After recovered d (max.)	After recovered T	Length (m)
PMWC 22/6-S30	22	6	2.2	30
PMWC 33/8-S30	33	8	2.5	30
PMWC 40/12-S30	40	12	2.5	30
PMWC 55/16-S15	55	16	2.7	15
PMWC 65/19-S15	65	19	2.8	15
PMWC 75/22-S15	75	22	3.0	15
PMWC 85/25-S15	85	25	3.0	15

Dimensions

in cut lenght:

Part. name	As supplied D(min.)	After recovered d (max.)	After recovered T	Lenght (mm)
PMWC 8/2	8	2	1.7	1000-1500
PMWC 12/3	12	3	1.8	1000-1500
PMWC 16/5	16	5	2.0	1000-1500
PMWC 22/6	22	6	2.2	1000-1500
PMWC 33/8	33	8	2.5	1000-1500
PMWC 40/12	40	12	2.5	1000-1500
PMWC 55/16	55	16	2.7	1000-1500
PMWC 65/19	65	19	2.8	1000-1500
PMWC 75/22	75	22	3.0	1000-1500
NMWC 85/25	85	25	3.0	1000-1500
PMWC 95/25	95	25	3.0	1000-1500
PMWC 115/34	115	34	3.2	1000-1500
PMWC 130/36	130	36	3.3	1000-1500
PMWC 140/42	140	42	3.3	1000-1500
PMWC 160/50	160	50	3.3	1000-1500

Note: Specific length is available upon request

PHWC

Heat-shrink tubing, heavy wall, weather and UV-resistant, with co-extruded adhesive

Features

- Made of modified polyolefin with very high electrical, mechanical, weathering and corrosion properties
- For a tight connection or stress relief, Tubing with an internal adhesive coating that melts and seals after shrunk
- Continuous operating temperature: -40℃ to +120℃
- Halogen-free, UV and weather resistant

Application

- For electrical insulation where good insulation and mechanical protection is required.
- For protection against UV radiation on tails in the case of low-voltag terminations, as well as corrosion protection.

Material:

Modified polyolefin

Conform to:

IEC 60684-3-247

Typical technical performances:

Test Items	Test Method	Typical Value
Tensile strength	ASTM D 2671	12MPa Min.
Utimate elongation	ASTM D 2671	350% Min.
Tensile strength after Aging at 150℃for 168hrs	ASTM D 2671	12MPa Min.
Ultimate elongation after Aging at 150℃for 168hrs	ASTM D 2671	300% Min.
Density	ASTM D 792	1.0~1.1g/cm³
Dielectric strength	ASTM D 60243	12kV/mm Min.
Volume resistivity	ASTM D 2671	$10^{12}\Omega\cdot$cm Min.
Low temperature flexiblity -40℃/4hrs	ASTM D 2671	No cracking of outer jacket
Properties of hot melt adhesive		
Softening point	ASTM E28	105+/−5℃
Peel strength(PE)	ASTM D 2671	4N/cm min.
Water absorption	ISO62	0.2%max.

Dimensions:

Part. name	As supplied D (min.)	After recovered d (max.)	After recovered T	Length (mm)
PHWC 24/6	24	6	2.7	1.0-1.5
PHWC 34/8	34	8	3.2	1.0-1.5
PHWC 40/12	40	12	4.0	1.0-1.5
PHWC 48/12	48	12	4.0	1.0-1.5
PHWC 56/16	56	16	4.0	1.0-1.5
PHWC 65/19	65	19	4.0	1.0-1.5
PHWC 75/22	75	22	4.0	1.0-1.5
PHWC 85/25	85	25	4.2	1.0-1.5
PHWC 95/30	95	30	4.2	1.0-1.5
PHWC 105/30	105	30	4.2	1.0-1.5
PHWC 130/35	135	35	4.2	1.0-1.5

Note: Specific length is available upon request

PMW/A

Heat-shrink tubing, medium wall, UV-resistant, without/with adhesive coated

Features

- Made of modified polyolefin with very high electrical, mechanical, weathering and corrosion properties
- For a tight connection or stress relief, Tubing with an internal adhesive coating that melts and seals after shrunk
- Continuous operating temperature: -40℃ to +120℃
- Halogen-free, UV and weather resistant

Application

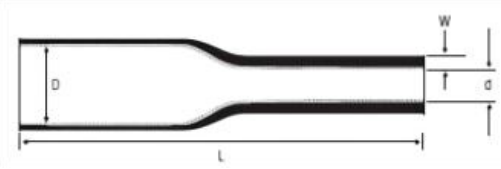
- For electrical insulation where good insulation and mechanical protection is required.
- For protection against UV radiation on tails in the case of low-voltag terminations, as well as corrosion protection.

Material:

Modified polyolefin

Conforma to:

IEC 60684-3-247
IEC 60684-3-214



Typical technical performances:

Test Items	Test Method	Typical Value
Tensile strength	ASTM D 2671	12MPa Min.
Utimate elongation	ASTM D 2671	350% Min.
Tensile strength after Aging at 150℃for 168hrs	ASTM D 2671	12MPa Min.
Ultimate elongation after Aging at 150℃for 168hrs	ASTM D 2671	300% Min.
Density	ASTM D 792	1.0~1.1g/cm³
Dielectric strength	ASTM D 60243	12kV/mm Min.
Volume resistivity	ASTM D 2671	$10^{12}\Omega\cdot$cm Min.
Low temperature flexiblity -40℃/4hrs	ASTM D 2671	No cracking of outer jacket
Properties of hot melt adhesive		
Softening point	ASTM E28	105+/−5℃
Peel strength(PE)	ASTM D 2671	4N/cm min.
Water absorption	ISO62	0.2%max.

Dimensions:

Running on spool, without adhesive

Part. name	As supplied D(min.)	After recovered d (max.)	After recovered T	Length (m)
PMW 22/6-S30	22	6	2.2	30
PMW 33/8-S30	33	8	2.5	30
PMW 40/12-S30	40	12	2.5	30
PMW 55/16-S15	55	16	2.7	15
PMW 65/19-S15	65	19	2.8	15
PMW 75/22-S15	75	22	3.0	15
PMW 85/25-S15	85	25	3.0	15

Dimensions:

Straight length, without or coated with hot melt adhesive

Part. name	As supplied D(min.)	After recovered d (max.)	After recovered T	Length (mm)
PMW/A 22/6	22	6	2.4	1.0-1.5
PMW/A 28/6	28	6	2.6	1.0-1.5
PMW/A 33/8	33	8	2.6	1.0-1.5
PMW/A 40/12	40	12	2.6	1.0-1.5
PMW/A 55/16	55	16	2.7	1.0-1.5
PMW/A 65/19	65	19	2.9	1.0-1.5
PMW/A 75/22	75	22	3.0	1.0-1.5
PMW/A 85/25	85	25	3.2	1.0-1.5
PMW/A 95/25	95	25	3.2	1.0-1.5
PMW/A 115/34	115	34	3.3	1.0-1.5
PMW/A 140/42	140	42	3.3	1.0-1.5
PMW/A 160/50	160	50	3.3	1.0-1.5
PMW/A 180/58	180	58	3.3	1.0-1.5
PMW/A 200/65	200	65	3.3	1.0-1.5
PMW/A 235/65	235	65	3.7	1.0-1.5

Note: Specific length is available upon request

PHW/A

Heat-shrink tubing, heavy wall, UV-resistant, without/with adhesive coated

Features

- Made of modified polyolefin with very high electrical, mechanical, weathering and corrosion properties
- For a tight connection or stress relief, Tubing with an internal adhesive coating that melts and seals after shrunk
- Continuous operating temperature: -40℃ to +120℃
- Halogen-free, UV and weather resistant

Application

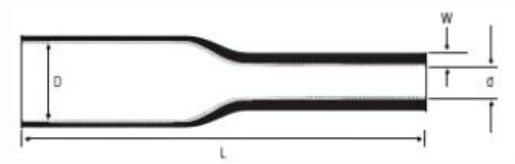
- For electrical insulation where good insulation and mechanical protection is required.
- For protection against UV radiation on tails in the case of low-voltag terminations, as well as corrosion protection.

Material:

Modified polyolefin

Conform to:

IEC 60684-3-247
IEC 60684-3-214



Typical technical performances:

Test Items	Test Method	Typical Value
Tensile strength	ASTM D 2671	12MPa Min.
Utimate elongation	ASTM D 2671	350% Min.
Tensile strength after Aging at 150℃for 168hrs	ASTM D 2671	12MPa Min.
Ultimate elongation after Aging at 150℃for 168hrs	ASTM D 2671	300% Min.
Density	ASTM D 792	1.0~1.1g/cm³
Dielectric strength	ASTM D 60243	12kV/mm Min.
Volume resistivity	ASTM D 2671	$10^{12}\Omega\cdot$cm Min.
Low temperature flexiblity -40℃/4hrs	ASTM D 2671	No cracking of outer jacket
Properties of hot melt adhesive		
Softening point	ASTM E28	105+/-5℃
Peel strength(PE)	ASTM D 2671	4N/cm min.
Water absorption	ISO62	0.2%max.

Dimensions:

Part. name	As supplied D(min.)	After recovered d (max.)	After recovered T	Length (mm)
PHW/A 33/8	33	8	3.2	1.0-1.5
PHW/A 40/12	40	12	4.0	1.0-1.5
PHW/A 45/12	45	12	4.0	1.0-1.5
PHW/A 55/16	55	16	4.0	1.0-1.5
PHW/A 65/19	65	19	4.0	1.0-1.5
PHW/A 75/22	75	22	4.0	1.0-1.5
PHW/A 85/25	85	25	4.2	1.0-1.5
PHW/A 105/30	105	30	4.2	1.0-1.5
PHW/A 115/34	115	34	4.2	1.0-1.5
PHW/A 130/36	130	36	4.2	1.0-1.5
PHW/A 160/50	160	50	4.2	1.0-1.5
PHW/A 180/50	180	50	4.2	1.0-1.5
PHW/A 200/60	200	60	4.2	1.0-1.5

Note: Specific length is available upon request

PHWF

Heavy wall, Flame retardant, UV-resistant, without/with adhesive coated

Features

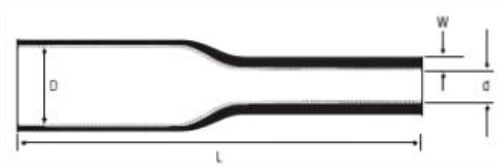
- Made from a flexible, flame retardant, cross linked material with excellent abrasion resistance properties
- The tubing is coated with adhesive
- Continuous operating temperature: -40℃ to +120℃

Application

For the insulation of joints in the mining, construction and transport industries and similar fields where flexibility and flame retardation are required.

Material:

Modified polyolefin



Typical technical performances:

Test Items	Test Method	Typical Value
Tensile strength	ASTM D 2671	12MPa Min.
Utimate elongation	ASTM D 2671	350% Min.
Tensile strength after Aging at 150℃ for 168hrs	ASTM D 2671	12MPa Min.
Ultimate elongation after Aging at 150℃ for 168hrs	ASTM D 2671	300% Min.
Density	ASTM D 792	1.0~1.1g/cm³
Dielectric strength	ASTM D 60243	12kV/mm Min.
Volume resistivity	ASTM D 2671	10^{12}Ω·cm Min.
Low temperature flexiblity -40℃/4hrs	ASTM D 2671	No cracking of outer jacket
Flammability	ASTM D 2671	Self-extinguished in 60s
Properties of hot melt adhesive		
Softening point	ASTM E28	105+/-5℃
Peel strength(PE)	ASTM D 2671	4N/cm min.
Water absorption	ISO62	0.2%max.

Dimension:

Part. name	As supplied D(min.)	After recovered d (max.)	After recovered T	Length (mm)
PHWF 33/8	33	8	3.2	1.0-1.5
PHWF 40/12	40	12	4.0	1.0-1.5
PHWF 45/12	45	12	4.0	1.0-1.5
PHWF 55/16	55	16	4.0	1.0-1.5
PHWF 65/19	65	19	4.0	1.0-1.5
PHWF 75/22	75	22	4.0	1.0-1.5
PHWF 85/25	85	25	4.2	1.0-1.5
PHWF 105/30	105	30	4.2	1.0-1.5
PHWF 115/34	115	34	4.2	1.0-1.5
PHWF 130/36	130	36	4.2	1.0-1.5
PHWF 160/50	160	50	4.2	1.0-1.5
PHWF 180/50	180	50	4.2	1.0-1.5

Note: Specific length is available upon request

PLS-E Series

UV-resistant, EPDM Rubber cold shrink sleeve for 1000 voltage

Application

PLS-E series are open-ended, tubular, rubber, which are supplied prestretched on a removable core for efficiency and ease of installation. Removal of the core after positioned the splice allows the product to shrink into position forming a moisture-tight seal. The live memory action of the specially formulated EPDM material promotes a permanent, durable environmental seal and insulation. The insulating tube is made of EPDM rubber which contains no chlorides or sulfur.

Typical application is primary electrical insulation for all solid dielectric (rubber and plastic) insulated wire and cable splicing rated to 1000 V. Good for repairs and environmental sealing for communication and other non-electrical applications.

Features

- Simple installation, requires no tools or special training.
- Safe installation, No torches or heat required.
- Good thermal stability
- Seals tight, retains its resiliency and pressure even after prolonged years of aging and exposure
- Excellent wet electrical properties
- Improved, tougher rubber formulation to withstand backfilling.
- Water-resistant.
- Meets the water seal requirements of ANSI C119.1
- No mastic or tape required to seal
- Resists acids and alkalis, resists ozone

Material:

EPDM Rubber

Color:

Black

Typical technical performances:

Property	Test Method	Typical Value
Surface Hardness	ASTM D2240-75	45±5 Shore A
Tensile Strength	ASTM D412-75	≥9.0 MPa
Elongation at break	ASTM D412-75	750%
Tear Strength	ASTM D624C-73	≥32 N/mm
DielectricStrength	ASTM D149-75	19.1kV/mm
Fungus Resistance	ASTM G-21 28 days exposure	No growth
Dielectric Constants	90℃ 7 days in water	5.0
Flammability	UL94	V1

Dimension:

Part. name	Typical Conductor section/mm²	Max.Connector Length/mm	Diamension	Application Range D/mm	
			Ø*L mm	Min.	Max
PLS-E23-6	14-16	50.8	18*152	7.8	14.3
PLS-E24-7	14-16	76.2	18*178	7.8	14.3
PLS-E25-7	35-50	76.2	25*178	10.1	20.9
PLS-E25-8	35-50	762	25*203	10.1	20.9
PLS-E26-9	70-125	127.0	35*229	13.9	30.1
PLS-E26-11	70-125	177.8	35*279	13.9	30.1
PLS-E27-6	125-200	50.8	42*152	16.8	35.1
PLS-E27-12	125-200	203.2	42*305	16.8	35.1
PLS-E27-16	125-200	304.8	42*406	16.8	35.1
PLS-E28-6	300-400	50.8	58*152	24.0	49.3
PLS-E28-12	300-400	203.2	58*305	24.0	49.3
PLS-E28-18	300-400	355.6	58*457	24.0	49.3
PLS-E28-24	300-400	508.0	58*610	24.0	49.3
PLS-E28-10	300-400	152.4	58*254	20.5	51.0
PLS-E29-6	500	50.8	77*152	32.2	67.9
PLS-E29-9	500	127.0	77*229	32.2	67.9
PLS-E29-12	500	203.2	77*305	32.2	67.9
PLS-E29-18	500	355.6	77*457	32.2	67.9
PLS-E29-13	500	228.6	77*330	27.4	70.0
PLS-E30-9	600-1000	127.0	105*229	42.7	93.7
PLS-E30-18	600-1000	355.6	105*457	42.7	93.7

Note: Specific length is available upon request

PWS

Heat shrink wraparound sleeve for cable repair and joint rejacketing

Features

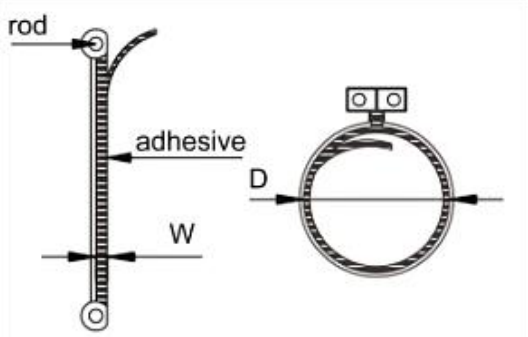
- Fast and permanent wraparounds cable repair and sealing system
- Excellent bonding and sealing characteristics to all materials

Application

For cable repair and joint outer rejacketing

Material:

Modified polyolefin



Typical technical performances:

Test items	Test Method	Requirement
Tensile Strength	ISO37 Test Temp:23±5℃	Min 15Mpa
Tensile Strength, Thermal Ageing	168Hrs at150±2℃	Min 13.7Mpa
Dielectric strength	IE060243	Min. 12 kV/mm
Cold Crack Resistance	Test temps-40℃	Nocracking
Resistance to aggressive media Tensile Strength	Test media:Fuel oil,petroleum,jelly Test temp:70±2℃	Min13.7Mp
Adhesive		
Softening Point	ASTME28	90±10°C
Peel Strength	PE at 23±2°C,-Pb at 23±2°C	Min 70N
ShearStrength	At 23±2°C, Copper Mirror test. Test time:16hrs, Test temp:60±2°C	Min100N
Corrosive Effect	ASTMD1693	No effect

Dimensions:

Part. name	Diameter D/mm		Standard length/mm
	As supplied	After recovered	
PWS 34/8	34	8	250,500,750,1000,1500
PWS 42/10	42	10	250,500,750,1000,1500
PWS 55/13	50	13	250,500,750,1000,1500
PWS 62/18	62	18	250,500,750,1000,1500
PWS 75/20	75	20	250,500,750,1000,1500
PWS 85/22	85	22	250,500,750,1000,1500
PWS 93/25	93	25	250,500,750,1000,1500
PWS 108/27	108	27	250,500,750,1000,1500
PWS 135/34	135	34	250,500,750,1000,1500
PWS 146/38	146	38	250,500,750,1000,1500
PWS 160/40	160	40	250,500,750,1000,1500
PWS 175/50	175	50	250,500,750,1000,1500
PWS 200/55	200	55	250,500,750,1000,1500

Note: Specific length is available upon request

PRWS

Heat shrink fiber enforcing wraparound sleeve for cable repair and joint rejacketing

Features

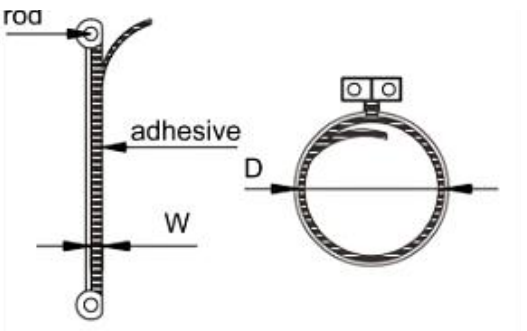
- Fast and permanent wraparounds cable repair and sealing system
- Excellent bonding and sealing characteristics to all materials

Application

For cable repair and joint outer rejacketing

Material:

Fibers integrated Crosslinked Polyolefin



Typical technical performances:

Test Items	Test Method	Typical Value
Tensile Strength	ISO37 Test Temp:23±5℃	Min 15Mpa
Tensile Strength, Thermal Ageing	168Hrs at150±2℃	Min 13.7Mpa
Dielectric strength	IE060243	Min 12 kV/mm
Cold Crack Resistance	Test temps-40℃	No cracking
Resistance to aggressive media Tensile Strength	Test media:Fuel oil,petroleum,jelly Test temp:70±2℃	Min13.7Mp
Adhesive		
Softening Point	ASTME28	90±10°C
Peel Strength	PE at 23±2°C,-Pb at 23±2°C	Min 70N
ShearStrength	At 23±2°C, Copper Mirror test. Test time:16hrs, Test temp:60±2°C	Min100N
Corrosive Effect	ASTMD1693	No effect

Dimensions:

Part. name	D as supplied (mm)	D after recovered (mm)	W as supplied (mm)	W after recovered (mm)	Standard length(mm)
PRWS 55/8	55	8	1.9	7.0	250,500,750, 1000,1500
PRWS 75/15	75	15	1.9	7.0	250,500,750, 1000,1500
PRWS 105/30	105	30	1.9	7.0	250,500,750, 1000,1500
PRWS 135/38	135	38	1.9	7.0	250,500,750, 1000,1500
PRWS 175/55	175	55	1.9	7.0	250,500,750, 1000,1500
PRWS 220/65	220	65	1.9	7.0	250,500,750, 1000,1500

Note: Specific length is available upon request

PHEC

Heat shrink endcap for cable end sealing and protection

Features

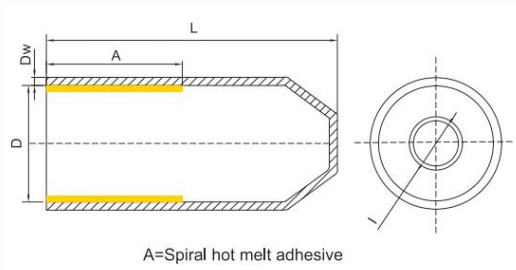
- Made of polyolefin
- Coated with sealing adhesive
- Temperature range -40°C to +120°C

Application

For sealing and protecting cable ends

Material:

Polyolefin



A=Spiral hot melt adhesive

Typical technical performances:

Test Items	Test Method	Test Requirements
Tensile strength	ASTM D 2671	12MPa Min.
Ultimate elongation	ASTM D 2671	200%Min.
Volume resistivity	IEC 93	$10^{14}\Omega \cdot$CM Min.
Dielectric strength	IEC60243	12kV/mm Min.
Water absorption	ISO62	0.5% Max.
Heat shock at 225℃/4hrs	ASTM D2671	No cracking, dropping
Density	ASTM D792	1.0~1.1g/cm

Dimensions:

Part. name	As supplied(mm)			After recovered (mm)	
	L*(±10%)	D*(Min.)	A*(±10%)	d*(±10%)	Dw(±10%)
PHEC 12/4	38	12	15	4	2.6
PHEC 14/5	45	14	18	5	2.2
PHEC 20/6	65	20	25	6	2.5
PHEC 25/8.5	75	25	30	85	2.5
PHEC 35/16	92	35	35	16	3.3
PHEC 40/15	95	40	40	15	3.3
PHEC 55/26	114	55	50	26	3.5
PHEC 75/36	132	75	55	36	4.2
PHEC 100/52	153	100	70	52	5.0
PHEC 120/60	155	120	70	60	5.0
PHEC 145/60	160	145	70	60	5.0
PHEC 160/82	160	160	70	82	4.5
PHEC 200/90	170	200	70	90	4.5

PCEC

Cold shrink endcap for cable end sealing and protection

Features

- Made of EPDM Rubber
- Simple and fast installation, no tools required.

Application

For sealing and protecting cable ends

Material:

EPDM Rubber

Typical technical performances:

Test Items	Test Method	Typical value
Tensile strength	ASTM D 2671	8MPa Min.
Ultimate elongation	ASTM D 2671	750% Min.
Hardness	Shore A	40
Tear Strength	ASTM D 2671	30 kN/m
Dielectric strength	IEC60243	14 kV/mm

Dimensions:

Part. name	ID as supplied mm	Length after Fully Recovered/mm	Application Range D/mm	
			Min.	Max
PCEC-25	25	60	11.6	20.9
PCEC-35	35	75	15.9	30.1
PCEC-55	55	82	26.0	49.2
PECE-90	90	100	45.5	84.3

PHAB

Heat shrink Non-tracking angle boots

Features

- Insulation enhancement and protection against flashover and accidentally induced discharge
- Exceptional insulation and long term reliability
- Resistant to tracking and erosion

Application

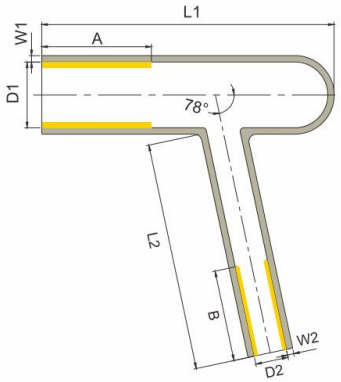
- Use in switchgear and transformer boxes to reduce air spacing between power cable terminations
- Against flashover

Material:

Modified Polyolefin

Typical technical performances:

Test Items	Test Method	Typical Value
Tensile strength	ASTM D 2671	12MPa Min.
Ultimate elongation	ASTM D 2671	200% Min.
Volume resistivity	IEC 93	$10^{14}\Omega\cdot$cm Min.
Dielectric strength	IEC 60243	10kV/mm(3mm) Min.
Water absorption	ISO 62	0.5% Max.
Heat shock at 225℃/4hrs	ASTM D 2671	No cracking, dropping
Density	ASTM D 792	1.1~1.3g/cm³



Dimensions:

Part. name.	As supplied		After recovered(mm)					
	D1 (Min.)	D2 (Min.)	D1 Max.)	D2 Max.)	L1 (Nom.)	L2 (±10%)	W1 (±10%)	W2 (±10%)
PHAB 1	80	35	36	18	160	120	3.5	3.5
PHAB 2	80	50	36	18	160	120	3.5	3.5
PHAB 2L	80	50	36	27	145	135	3.6	3.3
PHAB 3	95	70	38	28	155	130	4.2	4.5
PHAB 4	145	68	72	34	195	145	3.8	3.8

PHSB

Heat shrink non-tracking straight boots

Features

- Insulation enhancement and protection against flashover and accidentally induced discharge
- Exceptional insulation and long term reliability
- Resistant to tracking and erosion

Application

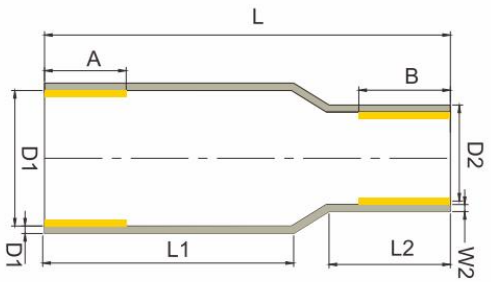
- Use in switchgear and transformer boxes to reduce air spacing between power cable terminations
- Against flashover

Material:

Modified Polyolefin

Typical technical performance:

Test Items	Test Method	Typical Value
Tensile strength	ASTM D 2671	12MPa Min.
Ultimate elongation	ASTM D 2671	200% Min.
Volume resistivity	IEC 93	$10^{14}\Omega\cdot$cm Min.
Dielectric strength	IEC 60243	10kV/mm(3mm) Min.
Water absorption	ISO 62	0.5% Max.
Heat shock at 225℃/4hrs	ASTM D 2671	No cracking, dropping
Density	ASTM D 792	1.1~1.3g/cm³



Dimensions:

Part. name.	As supplied		After recovered(mm)						
	D1 (Min.)	D2 (Min.)	D1 Max.)	D2 Max.)	L1 (Nom.)	L2 (±10%)	L2 (±10%)	W1 (±10%)	W2 (±10%)
PHSB 1	80	58	35	20	145	30	200	3.0	3.0
PHSB 2	140	90	65	33	155	40	320	3.8	3.8

PRS

Heat shrink non-tracking rain sheds

Features

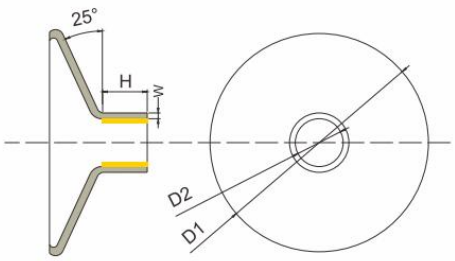
- Resistant to tracking and erosion
- UV resistance

Application

Increase external creepage length in power cable terminations

Material:

Modified Polyolefin



Typical technical performances:

Test Items	Test Method	Typical Value
Tensile strength	ASTM D 2671	12MPa Min.
Ultimate elongation	ASTM D 2671	200% Min.
Volume resistivity	IEC 93	$10^{14}\Omega\cdot$cm Min.
Dielectric strength	IEC 60243	10kV/mm(3mm) Min.
Water absorption	ISO 62	0.5% Max.
Heat shock at 225℃/4hrs	ASTM D 2671	No cracking, dropping
Density	ASTM D 792	1.1~1.3g/cm³

Dimensions:

Part. name	D2(mm)		As supplied(mm)			After recovered(mm)
	a*(Min.)	b*(Min.)	H(Min.)	D1 (Nom.)	W(±10%)	H Min.
PRS 1	35	12	20	95	3.0	18
PRS 2	48	20	28	120	3.5	20
PRS 3	60	25	30	120	3.3	20
PRS 3L	60	30	35	140	3.5	30
PRS 4	75	30	35	140	3.3	30
PRS 5	100	35	35	140	3.3	30

PMB

Heat shrinkable non-tracking breakout

Features

- Resistant to tracking and erosion
- UV resistance
- Coating adhesive provides a water tight environmental seal for 3 cores power cable upto 36kV

Application

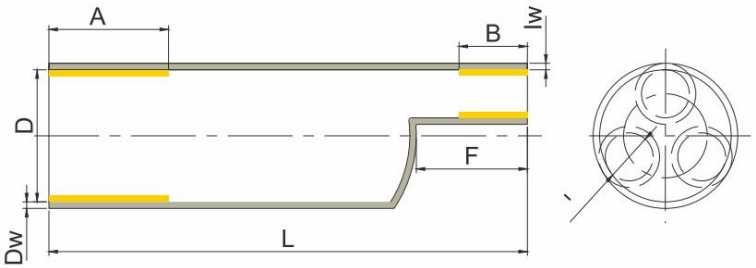
Providing the crutch insulating and sealing in three cores XLPE insulated cable terminations

Material:

Modified Polyolefin

Typical technical performances:

Test Items	Test Method	Typical Value
Tensile strength	ASTM D 2671	12MPa Min.
Ultimate elongation	ASTM D 2671	200% Min.
Volume resistivity	IEC 93	$10^{14}\Omega\cdot$cm Min.
Dielectric strength	IEC 60243	10kV/mm(3mm) Min.
Water absorption	ISO 62	0.5% Max.
Heat shock at 225℃/4hrs	ASTM D 2671	No cracking, dropping
Density	ASTM D 792	1.1~1.3g/cm³



Dimensions:

Part. name	As supplied (mm)±10%		D(mm)		I(mm)		Recovered length(mm)±10%	
	L	F	a*(Min.)	b*(Max.)	a*(Min.)	b*(Max.)	L	F
HMB 60/25	175	38	60	25	26	8	170	40
HMB 80/38	200	50	80	38	34	16	210	55
HMB 110/50	210	55	110	50	46	19	230	55
HMB 125/57	220	58	125	57	55	20	240	60
HMB 140/70	250	58	140	70	62	26	270	65

PBTM

Medium wall, medium voltage busbar insulation tubing

Features

- Insulation enhancement and protection against flashover and accidentally induced discharge
- Excellent flexibility enables installation on wide range of curved or bent busbars without cracking or creasing
- Exceptional insulation and long term reliability

Application

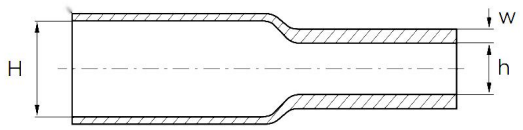
- Reduction of air spacing between busbars where space is limited
- Voltage class: 24kV
- Provides flashover protection
- up to 24 kV

Material:

Cross-linked Polyolefin

Conform to:

IEC 60684-3-283



Typical technical performances:

Property	Test method	Typical data
Tensile strength	ASTM D 2671	12.0Mpa Min.
Elongation at break	ASTM D 2671	500% Min.
Tensile strength after ageing	120℃ 168hours	10Mpa Min.
Elongation at break after ageing	120℃ 168hours	250% Min.
Dielectric strenght	IEC60243	18kV/mm Min.
Volume resistance	IEC 93	$1.0X10^{13}$·Ω·cm Min.
Dielectric constant	IEC 250	3.0
Flammability	IEC 60684-2 method C	60sec Max.
Copper stability	UL224	Pass
Copper corrosion	UL224	No corrosion

Dimensions:

Part. name	H/mm Min.	h/mm Max.	W/mm	Length per spool/m
PBTM 15/6	15	6	2.0	30
PBTM 25/10	25	10	2.0	30
PBTM 30/12	30	12	2.5	30
PBTM 40/16	40	16	2.5	30
PBTM 50/20	50	20	2.5	15
PBTM 75/30	75	30	2.8	15
PBTM 85/35	85	35	2.8	15
PBTM 100/40	100	40	2.8	15
PBTM 120/50	120	50	2.8	15
PBTM 150/60	150	60	3.2	1.0-1.5
PBTM 180/60	180	60	3.2	1.0-1.5

Note: Specific length is available upon request

PBTH

Heavy Wall, medium voltage busbar insulation tubing

Features

- Insulation enhancement and protection against flashover and accidentally induced discharge
- Excellent flexibility enables installation on wide range of curved or bent busbars without cracking or creasing
- Exceptional insulation and long term reliability

Application

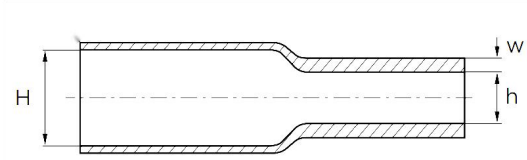
- Reduction of air spacing between busbars where space is limited
- Voltage class: 36kV
- Provides flashover protection
- up to 36 kV

Material:

Cross-linked Polyolefin

Conform to:

IEC 60684-3-283



Typical technical performances:

Property	Test method	Typical Value
Tensile strength	ASTM D 2671	12.0Mpa Min.
Elongation at break	ASTM D 2671	500% Min.
Tensile strength after ageing	120℃ 168hours	10Mpa Min.
Elongation at break after ageing	120℃ 168hours	250% Min.
Dielectric strenght	IEC60243	18kV/mm Min.
Volume resistance	IEC 93	1.0X10^{13}Ω·cm Min.
Dielectric constant	IEC 250	3.0
Flammability	IEC 60684-2 method C	60sec Max.
Copper stability	UL224	Pass
Copper corrosion	UL224	No corrosion

Dimensions:

Part. name	H/mm Min.	h/mm Max.	W/mm	Length per spool/m
PBTH 25/10	25	10	3.9	15
PBTH 40/16	40	16	3.9	15
PBTH 50/20	50	20	3.9	15
PBTH 65/25	65	25	3.9	1.0-1.5
PBTH 75/30	75	30	3.9	1.0-1.5
PBTH 100/40	100	40	3.9	1.0-1.5
PBTH 120/50	120	50	4.1	1.0-1.5
PBTH 150/60	150	60	4.1	1.0-1.5

Note: Specific length is available upon request

PSCT24

Stress control tubing for medium voltage termination and joint upto 24kV

Features

- Electrical stress relieve
- Flexible
- UV resistant

Application

Stress relief in medium voltage power cable accessories upto 24kV

Material:

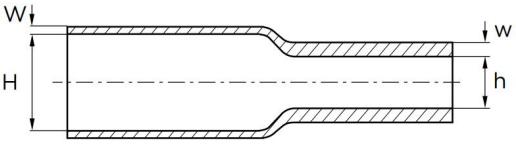
Cross-linked Polyolefin

Conform to:

IEC 60684-3-282

Typical technical performances:

Test Items	Test Method	Typical Value
Tensile strength	ASTM D 2671	8MPa Min
Ulimate elongation	ASTM D2671	200% Min
Heat shock at 200℃/30min	ASTM D 2871	No cracking,dropping
Permittivity	IEC 60250	15-35
Volume resistvity	IEC 93	$10^{11}\Omega\cdot$cm Max.



Dimensions:

Part. name	H/mm Min.	h/mm Max.	W/mm	Length
PSCT24 26/10	26	10	2.1	15m/spool or 1.0-1.5m
PSCT24 30/12	30	12	2.2	15m/spool or 1.0-1.5m
PSCT24 35/15	35	15	2.3	15m/spool or 1.0-1.5m
PSCT24 40/16	40	16	2.4	15m/spool or 1.0-1.5m
PSCT24 47/18	47	18	2.4	15m/spool or 1.0-1.5m
PSCT24 55/21	55	21	2.4	15m/spool or 1.0-1.5m
PSCT24 65/25	65	25	2.4	15m/spool or 1.0-1.5m
PSCT24 75/30	75	30	2.4	15m/spool or 1.0-1.5m

Note: Specific length is available upon request

PSCT36

Stress control tubing for medium voltage termination and joint upto 36kV

Features

- Electrical stress relieve
- Flexible
- UV resistant

Application

Stress relief in medium voltage power cable accessories upto 36kV

Material:

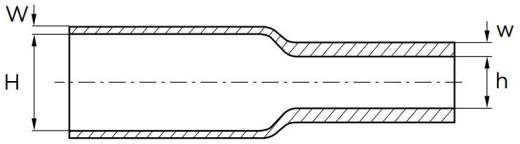
Cross-linked Polyolefin

Conform to:

IEC 60684-3-282

Typical technical performances:

Test Items	Test Method	Typical Value
Tensile strength	ASTM D 2671	8MPa Min
Ulimate elongation	ASTM D2671	200% Min
Heat shock at 200℃/30min	ASTM D 2871	No cracking,dropping
Permittivity	IEC 60250	30-55
Volume resistvity	IEC 93	$10^9\Omega\cdot$cm Max.



Dimensions:

Part. name	H/mm Min.	h/mm Max.	W/mm	Length
PSCT36 35/15	35	15	2.3	15m/spool or 1.0-1.5m
PSCT36 47/18	47	18	2.4	15m/spool or 1.0-1.5m
PSCT36 55/21	55	21	2.4	15m/spool or 1.0-1.5m
PSCT36 65/25	65	25	2.4	15m/spool or 1.0-1.5m
PSCT36 75/30	75	30	2.4	15m/spool or 1.0-1.5m

Note: Specific length is available upon request

PAT

Anti-tracking heat shrink tubing for medium voltage termination upto 36kV

Features

- High electrical characteristics and mechanical strength
- Medium-wall, cross-linked polyolefin and UV-stabilized against irradiation and weathering
- Resistant to tracking and erosion

Application

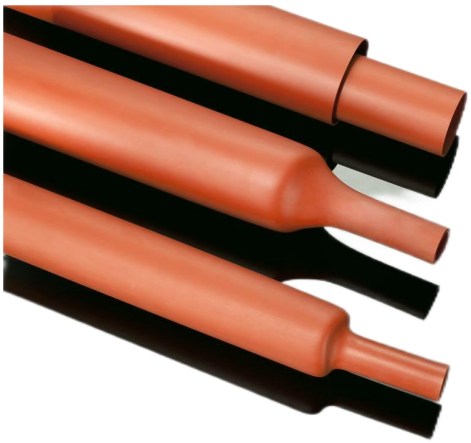
Insulation for medium voltage termination upto 36kV

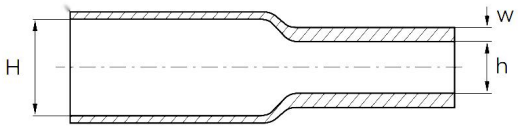
Material:

Cross-linked Polyolefin

Conform to:

IEC 60684-3-280





Typical technical performances:

Test Items	Test Method	Typical Value
Tensile strength	ASTM D 2671	10MPa Min.
Ultimate elongation	ASTM D 2671	200% Min
Tensile strength after Aging at 150℃for 168hrs	ASTM D 2671	10MPa Min
Ultimate elongation after Aging at 150℃for 168hrs	ASTM D 2671	100% Min.
Heat shock at 200℃/30min	ASTM D 2671	No cracking, dropping
Density	ASTM D 792	1.2~1.3g/cm³
Dielectric strength	IEC 60243	10kV/mm (2.5mm) Min.
Volume resistivity	ASTM D 2671	10^{12}Ω·cm Min.
Low temperature flexibility -40℃/4hrs	ASTM D 2671 Proc.C	No cracking
Permittivity	ASTM D 150	3(nom.)
Tracking resistance	ASTM D 2303	No tracking

Dimension:

Part. name.	As supplied (mm)	After recovered (mm)		Standard length (mspool)
	H*(Min.)	h*(Max.)	w*(Min.)	
PAT 19/6	19	6.0	2.5	30 or 0.5-1.5m
PAT 30/10	30	10.0	2.9	30 or 0.5-1.5m
PAT 35/12	35	12.0	2.9	30 or 0.5-1.5m
PAT 40/16	40	16.0	2.9	30 or 0.5-1.5m
PAT 45/18	45	18.0	2.9	30 or 0.5-1.5m
PAT 54/24	54	24.0	2.9	30 or 0.5-1.5m
PAT 60/29	60	29.0	3.0	15 or 0.5-1.5m
PAT 76/38	76	38.0	3.0	15 or 0.5-1.5m
PAT 100/49	100	49.0	3.0	15 or 0.5-1.5m

Note: Specific length is available upon request

PHIT

Heat shrink high insulation tube

Features

High electrical characteristics and insulation performance

Application

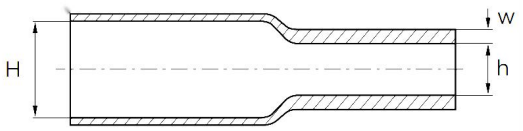
Insulation for medium voltage joint

Material:

Cross-linked Polyolefin

Typical technical performances:

Test Items	Test Method	Typical Value
Tensile strength	ASTM D 2671	12MPa Min.
Ultimate elongation	ASTM D 2671	200% Min.
Volume resistivity	IEC 93	$10^{14}\Omega\cdot$cmMin.
Dielectric strength	IEC 60243	20kV/mm(1.0mm) Min.
Water absorption	ISO 62	0.5% Max.



Dimensions:

Part. name	As Supplied (mm)	After Recovery (mm)		Standard length(m)
	H*(Min.)	h*(Max.)	w(Min.)	
PHIT 35/12	35	12	3.2	1.0-1.5
PHIT 45/14	45	14	3.5	1.0-1.5
PHIT 52/15	52	15	3.9	1.0-1.5
PHIT 55/18	55	18	3.9	1.0-1.5
PHIT 66/20	66	20	4.4	1.0-1.5
PHIT 75/25	75	25	4.7	1.0-1.5
PHIT 95/30	95	30	4.7	1.0-1.5

Note: Specific length is available upon request

PDWT

Double layers screened insulating composite tube for medium voltage joint

Features

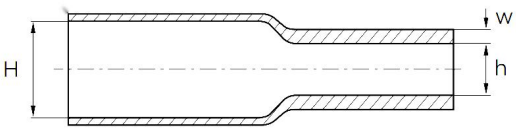
- Heat shrinkable conductive layer and heat shrink Insulation layer
- Heavy wall insulation layer
- Combined double layers, co-extrused

Application

For medium voltage joint upto 24kV

Material:

Cross-linked Polyolefin



Typical technical performances:

Test Items	Test Method	Typical Value
Insulation layer		
Tensile strength	ASTM D 2671	10MPa Min.
Ultimate elongation	ASTM D 2671	200% Min.
Volume resistivity	IEC 93	$10^{14}\Omega\cdot$cm Max.
Water absorption	ISO 62	0.5% Max.
Semi conductive layer		
Tensile strength	ASTM D 2671	12MPa Min.
Ultimate elongation	ASTM D 2671	200% Min.
Volume resistivity	ASTM D 257	$10^{4}\Omega\cdot$cm Max.

Dimensions:

Part. name	H/mm Min.	h/mm Max.	W/mm	Length
PDWT 36/12	36	12	5.4	1.0-1.2
PDWT 45/15	45	15	5.4	1.0-1.2
PDWT 55/18	55	18	5.4	1.0-1.2
PDWT 65/22	65	22	6.0	1.0-1.2
PDWT 73/26	73	26	6.0	1.0-1.2
PDWT 85/30	85	30	6.0	1.0-1.2
PDWT 100/38	100	38	6.0	1.0-1.2

Note: Specific length is available upon request

PTWT

Triple layers screened insulating composite tube for medium voltage joint

Features

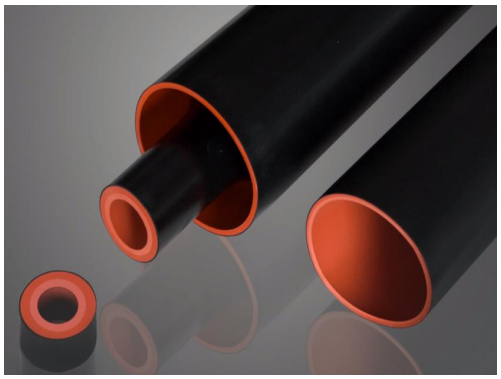
- Heat shrinkable conductive layer, heat shrink Insulation layer and elastomeric insulation layer combines
- High recovery forces result in tight electrical interfaces and perfect sealing ability
- Combined triple layers, co-extruded
- Significant reduction in shrink time

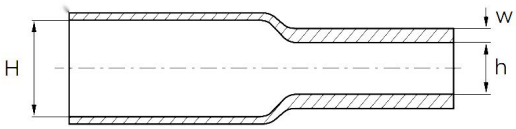
Application

For medium voltage joint upto 36kV

Material:

Modified Polyolefin Elastomer





Typical technical performances:

Test Items	Test Method	Typical Value
Semi conductive layer		
Tensile strength	ASTM D 2671	12MPa Min.
Ultimate elongation	ASTM D 2671	200% Min.
Volume resistivity	ASTM D 257	10^4Ω.cmMax.
Insulation layer		
Tensile strength	ASTM D 2671	10MPa Min.
Ultimate elongation	ASTM D 2671	200% Min.
Volume resistivity	IEC 93	10^{14}Ω·cmMax.
Water absorption	ISO62	0.5% Max.
Elastomer layer		
Tensile strength	ASTM D 2671	5MPa Min.
Ultimate elongation	ASTM D 2671	500% Min.
Volume resistivity	IEC 93	10^{14}Ω·cm Min.

Dimensions:

Part. name	H/mm Min.	h/mm Max.	W/mm	Length
PTWT 36/12	36	12	7.3	1.0-1.22
PTWT 46/15	46	15	7.3	1.0-1.22
PTWT 50/18	50	18	7.3	1.0-1.22
PTWT 56/21	56	21	7.3	1.0-1.22
PTWT 62/25	62	25	7.3	1.0-1.22
PTWT 70/30	70	30	7.3	1.0-1.22
PTWT 80/36	80	36	7.3	1.0-1.22
PTWT 95/40	95	40	7.3	1.0-1.22
PTWT 120/50	120	50	7.3	1.0-1.22

Note: Specific length is available upon request

番缆集团
PanyuCable

Panyu Cable Group
Energy Accessories
No. 280, North Section of Shixin Road, Nancun Town, Panyu District, Guangzhou City, Guangdong Province, China.
Power@panyucable.com
www.panyucable.com