

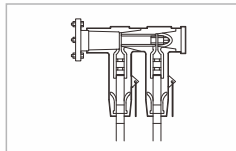
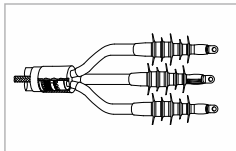
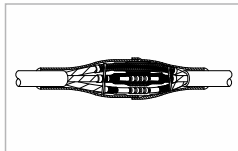
Hongshang

Let's connect the World



CABLE ACCESSORY

Connection & Protection



NORTELCO

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Index

Heat Shrink Cable Accessories

HKIT/HKOT	Heat Shrink Indoor/Outdoor Termination for XLPE or EPR insulated, 1 or 3 cores cables up to 36kV	01-02
HKSJ	Heat Shrink Joint for XLPE or EPR insulated, 1 or 3 cores cables up to 36kV	03-04
HAT/HATA	Anti-tracking Tubing, up to 36kV	05-06
HAS/HMB/HMR	Anti-tracking Rain Shed/Anti-tracking 3 cores Breakout/ Anti-tracking right angle/straight Boot	07-08
HLVT/HLVJ	Heat Shrink Termination & Joint for plastic-insulated cables up to 1kV	09-10
HRSL	Heat Shrink cable Repair Sleeve	11-12

Cold Apply Cable Accessories

HCSIT/HCSOT	Cold Shrink Indoor/Outdoor Termination for XLPE or EPR insulated, 1 or 3 core cables up to 40.5kV with Al or Cu conductor	13-14
HCSSJ	Cold Shrink Joint for XLPE or EPR insulated, 1 or 3 cores cables up to 40.5kV with Al or Cu conductor	15-16
HPMC/HPMRC	Screen Cable Connector/Screen Rear Cable Connector for 630A	17-18
HCSTT	Cold Shrink Trifurcation kit for XLPE or EPR insulated 3 cores cables with Al or Cu conductor	19-20
HCST	Cold Shrink insulated Tubing	21-22
HCMB	Cold Shrink 3 cores cable Breakout	23-24
HCRK-S	Low voltage Cast Resin straight through Joints	25-26
HCRK-B	Low voltage Cast Resin branch Joints	27-28



Company Profile



Hongshang, established in 1994, with over 80000 square meter-gross building area, is one of the high-tech enterprise in China that can provide a full range of business solutions from design, development, production and service for the field of Energy, Electronic, Automotive, Communication, Building & Shipbuilding, and other industries.

The products provided by Hongshang have covered the whole services of heat shrinkable tubing, heat shrinkable cable accessories, cold shrinkable cable accessories, pre-molded cable accessories, cast resin cable accessories, etc. Hongshang has a complete quality guarantee system which has been certificated by ISO 9001:2000. Most of our products comply with EU ROHS environmental standards and passed international technical standard type tests, such as UL, CAS , IEC, IEEE, and GENELEC.

Hongshang entered the global market in the 1990s and established close business relationship with many global front-line enterprise. Our products are exported to more than 60 counties and regions. Hongshang stands more than a brand of high quality and excellent services in various industries.

Our technology

◎ Compounding

With strong background of research and development radiation in modified polymer materials, we are producing and developing varieties of chemical formulations for different heat shrinkable products. Advanced mixing facilities ensure the fine dispersion of components in each formulation and the homogeneously physical, electrical and chemical properties in final products.

◎ Radiation Crosslinking

4 sets of powerful electronic accelerator were installed in our company. The specially designed advanced under beam facilities can be easily adjusted to meet the requirements of different size and shaped products and ensure the homogeneous crosslinking of products. To meet the increasing demand of our business, the more powerful 5.0Mev electronic accelerator have been put into operation.

◎ R&D Center

In accordance with the requirement of UL 224, RoHs, REACH compliance, and IEC, we equipped more than 30 sets of instruments and facilities for R&D purpose by which we can test mechanical, thermal, electrical, chemical, flammable and fluid resistant performances of polymeric products. To meet the special requirement of power cable accessories products we also set up a high voltage laboratory to test the high voltage performance of power cable kits.

◎ Extrusion

To obtain the products with stable and homogeneous dimensions, we equipped with 40 advanced extrusion line in which many key parts were improved by technology from foreign countries. The co-extrusion technology makes it possible for us to manufacture polyolefin/hot melt adhesive dual wall and insulation/conductive multi-layers tubing.

◎ Expansion

Expansion is a very important and key process to obtain the final forms and dimensions of heat shrinkable products. With the equipments and technology from Europe, we can accurately control the dimensions, longitudinal changes and eccentricity of the final products.





HKIT/HKOT Heat Shrink Indoor/Outdoor Termination

For XLPE or EPR insulated, 1 or 3 cores cables up to 36kV

■ Shelf life & storage:

HKIT/HKOT Heat Shrink Indoor/Outdoor Termination has long shelf life when stored in a humidity controlled storage(-10°C to 40°C and < 75% relative humidity).

■ Features:

- High mechanical strength
- Wide cross section range suitable for all types of connectors
- Compact dimensions
- Increased UV and weathering stability
- Allows immediate reenergizing
- Passed type test according to CENELEC HD 629.1 S2 & IEC 60502 in KEMA



Key technical performances:

Standard	IEC 60502			
Voltage classes	6/10(12)kV	8.7/15(17.5)kV	12/20(24)kV	18/30(36)kV
Partial discharge test at ambient temperature	10kV, <10pC	15kV, <10pC	20kV, <10pC	30kV, <10pC
AC withstand voltage test	27kV 5min	39kV 5min	54kV 5min	81kV 5min
Impulse voltage withstand	±75kV each polarity 10 times	±95kV each polarity 10 times	±125kV each polarity 10 times	±170kV each polarity 10 times

Selection table:

6/10(12)kV

Indoor Termination	Outdoor Termination	Cable Insulation OD(mm)	Cable Conductor Cross-section(mm ²)
1x1 core			
HKIT-12/1×25-50	HKOT-12/1×25-50	12.0mm-16.0mm	25mm ² --50mm ²
HKIT-12/1×70-150	HKOT-12/1×70-150	17.6mm-22.8mm	70mm ² --150mm ²
HKIT-12/1×185-300	HKOT-12/1×185-300	24.0mm-31.0mm	185mm ² --300mm ²
HKIT-12/1×400-500	HKOT-12/1×400-500	31.5mm-37.0mm	400mm ² --500mm ²
HKIT-12/1×630	HKOT-12/1×630	38.0mm-41.9mm	630mm ²
1x3 cores			
HKIT-12/3×25-50	HKOT-12/3×25-50	12.0mm-16.0mm	25mm ² --50mm ²
HKIT-12/3×70-150	HKOT-12/3×70-150	17.6mm-22.8mm	70mm ² --150mm ²
HKIT-12/3×185-300	HKOT-12/3×185-300	24.0mm-31.0mm	185mm ² --300mm ²
HKIT-12/3×400-500	HKOT-12/3×400-500	31.5mm-37.0mm	400mm ² --500mm ²

8.7/15(17.5)kV

Indoor Termination	Outdoor Termination	Cable Insulation OD(mm)	Cable Conductor Cross-section(mm ²)
1x1 core			
HKIT-17.5/1×25-50	HKOT-17.5/1×25-50	16.0mm-19.5mm	25mm ² --50mm ²
HKIT-17.5/1×70-150	HKOT-17.5/1×70-150	20.3mm-23.5mm	70mm ² --150mm ²
HKIT-17.5/1×185-300	HKOT-17.5/1×185-300	24.0mm-31.0mm	185mm ² --300mm ²
HKIT-17.5/1×400-500	HKOT-17.5/1×400-500	31.5mm-37.0mm	400mm ² --500mm ²
HKIT-17.5/1×630	HKOT-17.5/1×630	38.0mm-41.9mm	630mm ²
1x3 cores			
HKIT-17.5/3×25-50	HKOT-17.5/3×25-50	16.0mm-19.5mm	25mm ² --50mm ²
HKIT-17.5/3×70-150	HKOT-17.5/3×70-150	20.3mm-23.5mm	70mm ² --150mm ²
HKIT-17.5/3×185-300	HKOT-17.5/3×185-300	24.0mm-31.0mm	185mm ² --300mm ²
HKIT-17.5/3×400-500	HKOT-17.5/3×400-500	31.5mm-37.0mm	400mm ² --500mm ²

12/20(24)kV

Indoor Termination	Outdoor Termination	Cable Insulation OD(mm)	Cable Conductor Cross-section(mm ²)
1x1 core			
HKIT-24/1×25-50	HKOT-24/1×25-50	17.5mm-20.3mm	25mm ² --50mm ²
HKIT-24/1×70-150	HKOT-24/1×70-150	21.5mm-26.5mm	70mm ² --150mm ²
HKIT-24/1×185-300	HKOT-24/1×185-300	27.5mm-33.0mm	185mm ² --300mm ²
HKIT-24/1×400-500	HKOT-24/1×400-500	34.2mm-39.5mm	400mm ² --500mm ²
HKIT-24/1×630	HKOT-24/1×630	40.5mm-43.0mm	630mm ²
1x3 cores			
HKIT-24/3×25-50	HKOT-24/3×25-50	17.5mm-20.3mm	25mm ² --50mm ²
HKIT-24/3×70-150	HKOT-24/3×70-150	21.5mm-26.5mm	70mm ² --150mm ²
HKIT-24/3×185-300	HKOT-24/3×185-300	27.5mm-32.8mm	185mm ² --300mm ²
HKIT-24/3×400-500	HKOT-24/3×400-500	33.5mm-39.5mm	400mm ² --500mm ²

18/30(36)kV

Indoor Termination	Outdoor Termination	Cable Insulation OD(mm)	Cable Conductor Cross-section(mm ²)
1x1 core			
HKIT-36/1×50-95	HKOT-36/1×50-95	25.0mm-29.5mm	50mm ² --95mm ²
HKIT-36/1×120-240	HKOT-36/1×120-240	30.5mm-36.5mm	120mm ² --240mm ²
HKIT-36/1×300-400	HKOT-36/1×300-400	38.0mm-42.5mm	300mm ² --400mm ²
HKIT-36/1×500-630	HKOT-36/1×500-630	43.5mm-48.5mm	500mm ² --630mm ²
1x3 cores			
HKIT-36/3×50-95	HKOT-36/3×50-95	25.0mm-29.5mm	50mm ² --95mm ²
HKIT-36/3×120-240	HKOT-36/3×120-240	30.5mm-36.5mm	120mm ² --240mm ²
HKIT-36/3×300-400	HKOT-36/3×300-400	38.0mm-42.5mm	300mm ² --400mm ²

*NOTE: 1. Cable insulation outer diameter is one of the prerequisite for cable accessories selection.
2. Above product selection is according to the IEC standard cable.

HKIT/HKOT
Heat Shrink
Termination

HKSJ
Heat Shrink
Joint

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Medium
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Heat Shrink
Cable Repair Sleeve

HCSIT/HCSOT
Cold Shrink
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HCSSJ
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HCSTT
Cold Shrink
Trifurcation Kit

HCST
Cold Shrink
Insulated Tubing

HCMB
Cold Shrink 3
Cores Cable
Breakout

HCRK-S
Cast Resin
Straight
Through Joints

HCRK-B
Cast Resin
Branch Joints



HKSJ Heat Shrink Joint

For XLPE or EPR insulated, 1 or 3 cores cables up to 36kV

■ Shelf life & storage:

HKSJ Heat Shrink Joint has long shelf life when stored in a humidity controlled storage(-10°C to 40°C and < 75% relative humidity).

■ Features:

- High mechanical strength
- Wide cross section range suitable for all types of connectors
- Compact dimensions
- Weathering stability
- Allows immediate reenergizing
- Passed type test according to CENELEC HD 629.1 S2 & IEC 60502 in KEMA



■ Key technical performances:

Standard	IEC 60502			
Voltage classes	6/10(12)kV	8.7/15(17.5)kV	12/20(24)kV	18/30(36)kV
Partial discharge test at ambient temperature	10kV, <10pC	15kV, <10pC	20kV, <10pC	30kV, <10pC
AC withstand voltage test	27kV 5min	39kV 5min	54kV 5min	81kV 5min
Impulse voltage withstand	±75kV each polarity 10 times	±95kV each polarity 10 times	±125kV each polarity 10 times	±170kV each polarity 10 times

■ Selection table:

6/10(12)kV

Joint	Cable Insulation OD(mm)	Cable Conductor Cross-section (mm ²)
1x1 core		
HKSJ-12/1×25-50	12.0mm-16.0mm	25mm ² --50mm ²
HKSJ-12/1×70-150	17.6mm-22.8mm	70mm ² --150mm ²
HKSJ-12/1×185-300	24.0mm-31.0mm	185mm ² --300mm ²
HKSJ-12/1×400-500	31.5mm-37.0mm	400mm ² --500mm ²
HKSJ-12/1×630	38.0mm-41.9mm	630mm ²
1X3 cores		
HKSJ-12/3×25-50	12.0mm-16.0mm	25mm ² --50mm ²
HKSJ-12/3×70-150	17.6mm-22.8mm	70mm ² --150mm ²
HKSJ-12/3×185-300	24.0mm-31.0mm	185mm ² --300mm ²
HKSJ-12/3×400-500	31.5mm-37.0mm	400mm ² --500mm ²

8.7/15(17.5)kV

Joint	Cable Insulation OD(mm)	Cable Conductor Cross-section (mm ²)
1x1 core		
HKSJ-17.5/1×25-50	16.0mm-19.5mm	25mm ² --50mm ²
HKSJ-17.5/1×70-150	20.3mm-23.5mm	70mm ² --150mm ²
HKSJ-17.5/1×185-300	24.0mm-31.0mm	185mm ² --300mm ²
HKSJ-17.5/1×400-500	31.5mm-37.0mm	400mm ² --500mm ²
HKSJ-17.5/1×630	38.0mm-41.9mm	630mm ²
1X3 cores		
HKSJ-17.5/3×25-50	16.0mm-19.5mm	25mm ² --50mm ²
HKSJ-17.5/3×70-150	20.3mm-23.5mm	70mm ² --150mm ²
HKSJ-17.5/3×185-300	24.0mm-31.0mm	185mm ² --300mm ²
HKSJ-17.5/3×400-500	31.5mm-37.0mm	400mm ² --500mm ²

12/20(24)kV

Joint	Cable Insulation OD(mm)	Cable Conductor Cross-section (mm ²)
1x1 core		
HKSJ-24/1×25-50	17.5mm-20.3mm	25mm ² --50mm ²
HKSJ-24/1×70-150	21.5mm-26.5mm	70mm ² --150mm ²
HKSJ-24/1×185-300	27.5mm-33.0mm	185mm ² --300mm ²
HKSJ-24/1×400-500	34.2mm-39.5mm	400mm ² --500mm ²
HKSJ-24/1×630	40.5mm-43.0mm	630mm ²
1X3 cores		
HKSJ-24/3×25-50	17.5mm-20.3mm	25mm ² --50mm ²
HKSJ-24/3×70-150	21.5mm-26.5mm	70mm ² --150mm ²
HKSJ-24/3×185-300	27.5mm-32.8mm	185mm ² --300mm ²
HKSJ-24/3×400-500	33.5mm-39.5mm	400mm ² --500mm ²

18/30(36)kV

Joint	Cable Insulation OD(mm)	Cable Conductor Cross-section (mm ²)
1x1 core		
HKSJ-36/1×50-95	25.0mm-29.5mm	50mm ² --95mm ²
HKSJ-36/1×120-240	30.5mm-36.5mm	120mm ² --240mm ²
HKSJ-36/1×300-400	38.0mm-42.5mm	300mm ² --400mm ²
HKSJ-36/1×500-630	43.5mm-48.5mm	500mm ² --630mm ²
1X3 cores		
HKSJ-36/3×50-95	25.0mm-29.5mm	50mm ² --95mm ²
HKSJ-36/3×120-240	30.5mm-36.5mm	120mm ² --240mm ²
HKSJ-36/3×300-400	38.0mm-42.5mm	300mm ² --400mm ²

*NOTE: 1. Cable insulation outer diameter is one of the prerequisite for cable accessories selection.
2. Above product selection is according to the IEC standard cable.

HKIT/HKOT
Heat Shrink
Termination

HKSJ
Heat Shrink
Joint

HAT/HATA
Medium
Voltage Tubing

HAS/HMB/HMR
Moulded Parts

HLVT/HLVJ
Heat Shrink
Termination & Joint

HRSL
Heat Shrink
Cable Repair Sleeve

HCSIT/HCSOT
Cold Shrink
Termination

HCSSJ
Cold Shrink Joint

HPMC/HPMRC
Cable Connector

HCSTT
Cold Shrink
Trifurcation Kit

HCST
Cold Shrink
Insulated Tubing

HCMB
Cold Shrink 3
Cores Cable
Breakout

HCRK-S
Cast Resin
Straight
Through Joints

HCRK-B
Cast Resin
Branch Joints



HAT/HATA Medium Voltage Tubing

Anti tracking insulation Tubing

■ Shelf life & storage:

HAT/HATA Medium Voltage Tubing has long shelf life when stored in a humidity controlled storage (-10°C to 40°C and < 75% relative humidity).

■ Ordering information:

Standard colors:
Red.

■ Features:

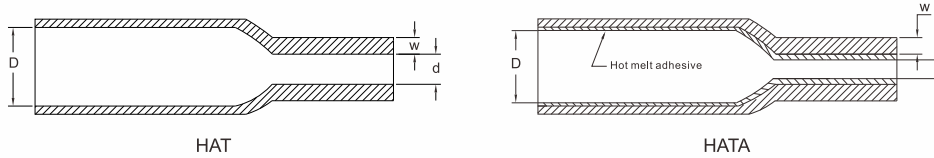
- Anti-tracking
- Flame retardant
- 3:1 Shrink ratio allows a few sizes to cover a wide range of applications
- Application up to 36kV
- UV and weather resistant
- Flexible and able to conform to irregular shapes
- Min. full recovery temp.: 120°C



Key technical performances:

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

Selection table:



Continues length tubing (HAT)									
Size (mm)	As supplied (mm)	After recovered (mm)		Standard length	Size (mm)	As supplied (mm)	After recovered (mm)		Standard length
	D*(Min.)	d*(Max.)	w*(Min.)			D*(Min.)	d*(Max.)	w*(Min.)	
19/6	19	6	2.5	30m/spool or 0.5-1.5m	65/21	65	21	3.3	30m/spool or 0.5-1.5m
30/10	30	10	2.9	30m/spool or 0.5-1.5m	75/25	75	25	3.5	30m/spool or 0.5-1.5m
38/12	38	12	2.9	30m/spool or 0.5-1.5m	85/29	85	29	3.5	30m/spool or 0.5-1.5m
40/16	40	16	2.9	30m/spool or 0.5-1.5m	100/40	100	40	4.0	0.5-1.5m
49/16	49	16	2.9	30m/spool or 0.5-1.5m	130/50	130	50	4.0	1.0-1.5m
55/18	55	18	2.9	30m/spool or 0.5-1.5m					

Cut length tubing (HATA)									
Size (mm)	As supplied (mm)	After recovered (mm)		Standard length (m)	Size (mm)	As supplied (mm)	After recovered (mm)		Standard length (m)
	D*(Min.)	d*(Max.)	w*(Min.)			D*(Min.)	d*(Max.)	w*(Min.)	
30/10	30	10	2.9	1.0-1.5	65/21	65	21	3.3	1.0-1.5
40/12	40	12	2.9	1.0-1.5	75/25	75	25	3.5	1.0-1.5
43/14	43	14	2.9	1.0-1.5	85/29	85	29	3.5	1.0-1.5
49/16	49	16	2.9	1.0-1.5	100/40	100	40	4.0	1.0-1.5
55/18	55	18	2.9	1.0-1.5	130/50	130	50	4.0	1.0-1.5

NOTE : D = Inner diameter as supplied
d* = Inner diameter after fully recovered

HKIT/HKOT
Heat Shrink Termination

HKSJ
Heat Shrink Joint

HAT/HATA
Medium Voltage Tubing

HAS/HMB/HMR
Moulded Parts

HLVT/HLVJ
Heat Shrink Termination & Joint

HRSL
Heat Shrink Cable Repair Sleeve

HCSIT/HCSOT
Cold Shrink Termination

HCSSJ
Cold Shrink Joint

HPMC/HPMRC
Cable Connector

HCSTT
Cold Shrink Trifurcation Kit

HCST
Cold Shrink Insulated Tubing

HCMB
Cold Shrink 3 Cores Cable Breakout

HCRK-S
Cast Resin Straight Through Joints

HCRK-B
Cast Resin Branch Joints



HAS/HMB/HMR Moulded Parts

Anti tracking Rain Shed/Anti tracking 3 cores Breakout/Anti-tracking right angle/straight Boot

■ Shelf life & storage:

HAS/HMB/HMR Moulded Parts has long shelf life when stored in a humidity controlled storage(-10°C to 40°C and < 75% relative humidity).

■ Ordering information:

Standard colors:
Red.

■ Features:

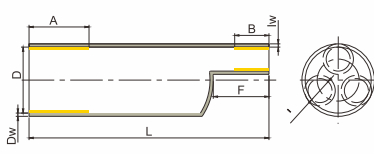
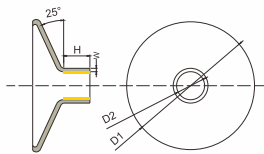
- Sealing mastic coated forms an effective barrier against fluids and moisture
- UV and weather resistant
- Anti-tracking
- 2-3:1 Shrink ratio allows a few sizes to cover a wide range of applications
- RoHS compliant



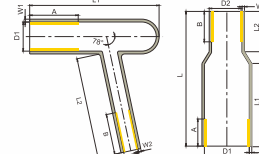
Key technical performances:

Test Items	Test Method	Test Requirements
Tensile strength	ASTM D 2671	12MPa min.
Ultimate elongation	ASTM D 2671	200% min.
Volume resistance	IEC 93	10 ¹⁴ Ω.cm min.
Dielectric strength	IEC 60243	10kV/mm(3mm) min.
Water absorption	ISO 62	0.5% max.
Heat shock at 225°C/4hrs	ASTM D 2671	No cracking, dropping
Density	ASTM D 792	1.1~1.3g/cm ³

Selection table:



Hot melt adhesive A=50mm B=25mm



Anti-track red mastic A=50mm B=25mm

Anti-tracking rain shed-HAS

Size (mm)	D2(mm)		H(Min.)	As supplied(mm)		After recovered(mm)	
	a*(Min.)	b*(Min.)		D1 (Nom.)	W(±10%)	h(Min.)	
HAS 110 35/12	35	12	20	95	3.0	18	
HAS 120 48/20	48	20	28	120	3.5	20	
HAS 130 60/25	60	25	30	120	3.3	20	
HAS 140 60/30	60	30	35	140	3.5	30	
HAS 150 75/30	75	30	35	140	3.3	30	
HAS 160 100/35	100	35	35	140	3.3	30	

Anti-tracking 3 cores breakout-HMB

Size (mm)	As supplied (mm) ±10%		D(mm)		l (mm)		Recovered length(mm)±10%		Recovered wall(mm)±20%	
	l	f	a*(Min.)	b*(Max.)	a*(Min.)	b*(Max.)	L	F	Dw	lw
HMB320-60/25	175	38	60	25	26	8	170	40	3.0	2.5
HMB330-80/38	200	50	80	38	34	16	210	55	3.5	3.3
HMB340-110/50	210	55	110	50	46	19	230	55	3.8	3.5
HMB350-125/57	220	58	125	57	55	20	240	60	3.7	3.3
HMB360-140/70	250	58	140	70	62	26	270	65	3.8	3.6

Anti-tracking right angle/straight boot-HMR

Size (mm)	As supplied (mm)				After recovered(mm)					
	D1 (Min.)	D2 (Min.)	D1 (Max.)	D2 (Max.)	L1 (Nom.)	L2 (±10%)	L (±10%)	W1 (±10%)	W2 (±10%)	
Right Angle	HMR110(80/36-35/18)	80	35	36	18	160	120	/	3.5	3.5
	HMR120(80/36-50/18)	80	50	36	18	160	120	/	3.5	3.5
	HMR130(80/36-50/27)	80	50	36	27	145	135	/	3.6	3.3
	HMR140(95/38-70/28)	95	70	38	28	155	130	/	4.2	4.5
	HMR150(145/72-68/34)	145	68	72	34	195	145	/	3.8	3.8
Straight	HMR170(80/35-58/20)	80	58	35	20	145	30	200	3.0	3.0
	HMR180(140/65-90/33)	140	90	65	33	155	40	320	3.8	3.8

a* = As supplied

b* = After fully recovered

HKIT/HKOT
Heat Shrink
Termination

HKSJ
Heat Shrink
Joint

HAT/HATA
Medium
Voltage Tubing

HAS/HMB/HMR
Moulded Parts

HLVT/HLVJ
Heat Shrink
Termination & Joint

HRSL
Heat Shrink
Cable Repair Sleeve

HCSIT/HCSOT
Cold Shrink
Termination

HCSSJ
Cold Shrink Joint

HPMC/HPMRC
Cable Connector

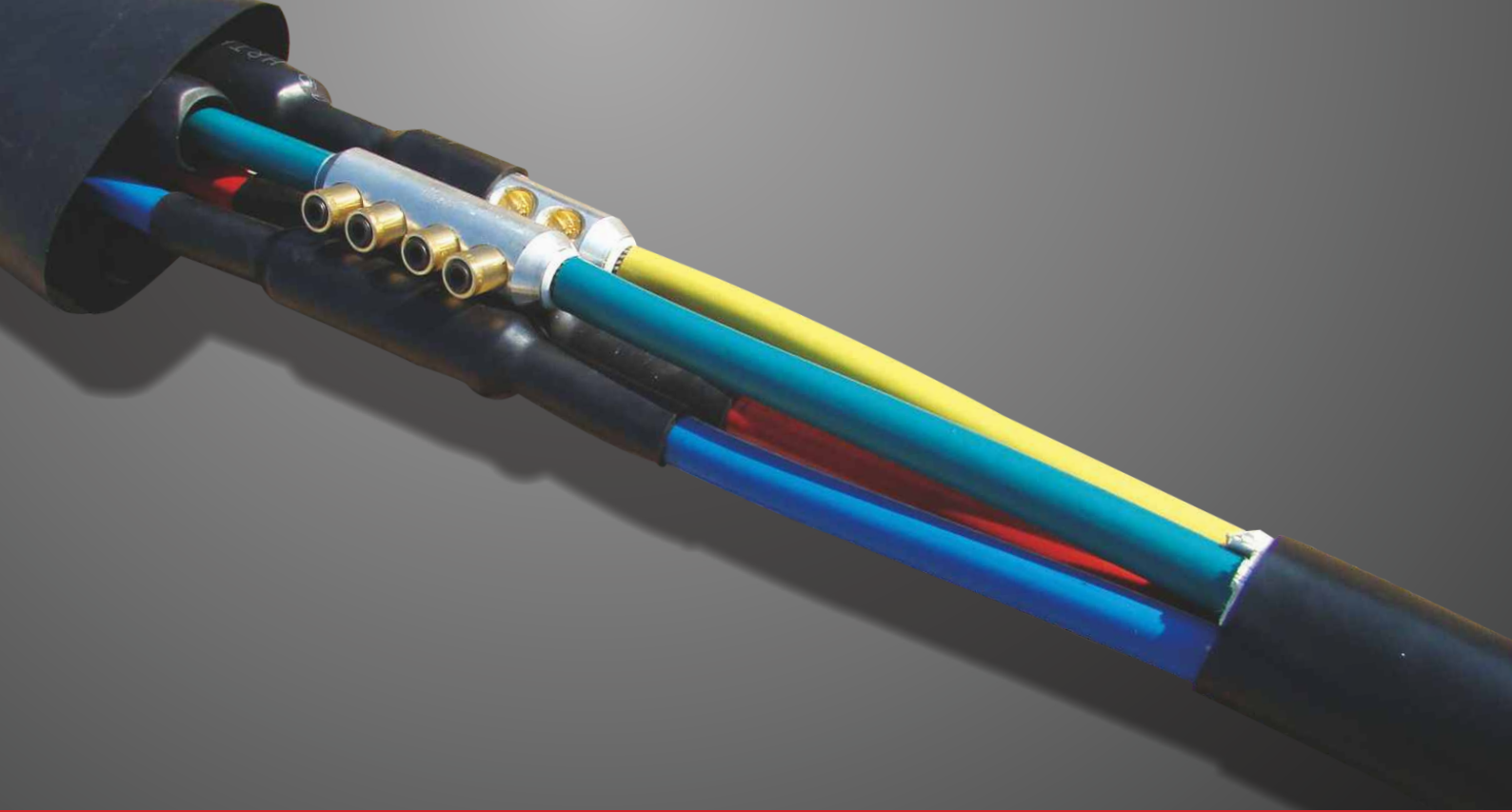
HCSTT
Cold Shrink
Trifurcation Kit

HCST
Cold Shrink
Insulated Tubing

HCMB
Cold Shrink 3
Cores Cable
Breakout

HCRK-S
Cast Resin
Straight
Through Joints

HCRK-B
Cast Resin
Branch Joints



HLVT/HLVJ Heat Shrink Termination & Joint

For plastic-insulated cables up to 1kV

■ Shelf life & storage:

HLVT/HLVJ Heat Shrink Joint & Termination has long shelf life when stored in a humidity controlled storage (-10°C to 40°C and < 75% relative humidity).

■ Features:

- High mechanical strength
- Wide cross section range suitable for all types of connectors
- Compact dimensions
- Increased UV and weathering stability
- Unanimated shelf life and allows immediate reenergizing



■ Key technical performances:

Test Sequence	Item	Requirements acc to EN50393	Remarks EN50393
1	Impulse withstand voltage test	20kV \pm 10	PASS
2	AC withstand voltage test(in air and ambient temperature)	4kV,1min	PASS
3	Insulation resistance (in air and ambient temperature)	\geq 50M Ω	PASS

HKIT/HKOT
Heat Shrink
Termination

HKSJ
Heat Shrink
Joint

HAT/HATA
Medium
Voltage Tubing

HAS/HMB/HMR
Moulded Parts

HLVT/HLVJ
Heat Shrink
Termination & Joint

■ Selection table:

0.6/1.0(1.2)kV Heat Shrink Termination

Termination	Cable Insulation OD(mm)	Cable Conductor cross-section (mm ²)
HLVT-1.2/4×1.5-10	2.95mm-5.6mm	1.5mm ² --10mm ²
HLVT-1.2/4×16-50	6.4mm-10.0mm	16mm ² --50mm ²
HLVT-1.2/4×70-150	11.5mm-16.9mm	70mm ² --150mm ²
HLVT-1.2/4×185-400	18.5mm-26.5mm	185mm ² --400mm ²

HRSL
Heat Shrink
Cable Repair Sleeve

HCSIT/HCSOT
Cold Shrink
Termination

HCSSJ
Cold Shrink Joint

HPMC/HPMRC
Cable Connector

0.6/1.0(1.2)kV Heat Shrink Joint

Joint	Cable Insulation OD(mm)	Cable Conductor cross-section (mm ²)
HLVJ-1.2/4×1.5-10	2.95mm-5.6mm	1.5mm ² --10mm ²
HLVJ-1.2/4×16-50	6.4mm-10.0mm	16mm ² --50mm ²
HLVJ-1.2/4×70-150	11.5mm-16.9mm	70mm ² --150mm ²
HLVJ-1.2/4×185-400	18.5mm-26.5mm	185mm ² --400mm ²

HCSTT
Cold Shrink
Trifurcation Kit

HCST
Cold Shrink
Insulated Tubing

HCMB
Cold Shrink 3
Cores Cable
Breakout

HCRK-S
Cast Resin
Straight
Through Joints

HCRK-B
Cast Resin
Branch Joints

- *NOTE: 1. Cable insulation outer diameter is one of the prerequisite for cable accessories selection.
2. 1-core to 5-core products are available for customize.
3. Termination and Joint for 1 core cable can apply up to 1000mm² cable conductor cross-section.



HRSL Heat Shrink Cable Repair Sleeve

Heat Shrink low voltage accessories

■ Shelf life & storage:

HRSL Heat Shrink Cable Repair Sleeve has long shelf life when stored in a humidity controlled storage(-10°C to 40°C and < 75% relative humidity).

■ Ordering information:

Standard colors:
Black.

■ Features:

- Quick and easy installation
- Covered with thermo paint
- Protection against mechanical stress
- Sleeve and channel can be cut to suit shorter applications
- For insulation on low voltage cable up to 1000V
- Hot melt adhesive forms a durable, moisture resistant seal
- Fit a wide range of cable sizes



Key technical performances:

Properties	Test Condition and Method	Requirement
Bursting Strength	Test Temp: 23±5°C	15MPa min.
Thermal Ageing Bursting strength	168 hrs at 150°C±2°C After free shrinkable	13.7MPa min 14MPa min
Dielectric strength	Electrode Surface Dia: 6mm Wight: 50±2gms Voltage steps: 2kV/20sec	Min 12 kV/mm
Split Resistance	Temp: 200±2°C Test time 23±3°C	No split Propagation
Carbon Content UV Res of Out/layer	Heating rate: 20°C/min Gas flow rate: 300cc/min	Min 2.6± 0.25%
Cold Crack Resistance	Test Temp: -40°C/4hrs	No cracking
Resistance to aggressive media Bursting Strength	Test media: Fuel oil, petroleum jelly Test temp: 70±2°C	Min 13.7MPa
Environmental Stress cracking	10% Igepal Co 630 solution immersion Time 30 days Test Temp: 50±3°C	No cracking
Temp. indicating paint conversion	Completely conversion	Completely conversion
Properties of adhesive		
Adhesive Softening Point	ASTM E28	90±10°C
Peel Strength	-PE at 23±2°C -Pb at 23±2°C	Min 70N
Shear Strength	At 23±2°C Copper Mirror test Test time: 16hrs Test temp: 60±2°C	Min100N
Corrosive Effect	ASTM D1693	No effect

HKIT/HKOT
Heat Shrink
Termination

HKSJ
Heat Shrink
Joint

HAT/HATA
Medium
Voltage Tubing

HAS/HMB/HMR
Moulded Parts

HLVT/HLVJ
Heat Shrink
Termination & Joint

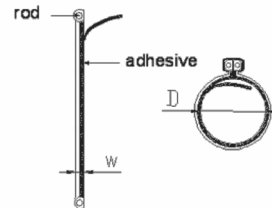
HRSL
Heat Shrink
Cable Repair Sleeve

HCSIT/HCSOT
Cold Shrink
Termination

HCSSJ
Cold Shrink Joint

HPMC/HPMRC
Cable Connector

Selection table:



Size(mm)	As supplied(mm)		After recovered (mm)		Standard Length
	D*(mm)	W*(Min.)	d*(Max.)	w*(Min.)	L(mm)
36/10	38	0.7	10	3.2	500, 750, 1000, 1500
55/13	57	0.7	13	3.2	500, 750, 1000, 1500
85/20	85	0.7	20	3.2	500, 750, 1000, 1500
108/27	110	0.7	27	3.2	500, 750, 1000, 1500
136/30	138	0.7	30	3.2	500, 750, 1000, 1500
180/50	183	0.7	50	3.2	500, 750, 1000, 1500

- *NOTE: 1. D*= Diameter as supplied
 2. d* = Diameter after recovered
 3. W*= Thickness of sleeve as supplied
 4. w*= Thickness of sleeve after fully recovered

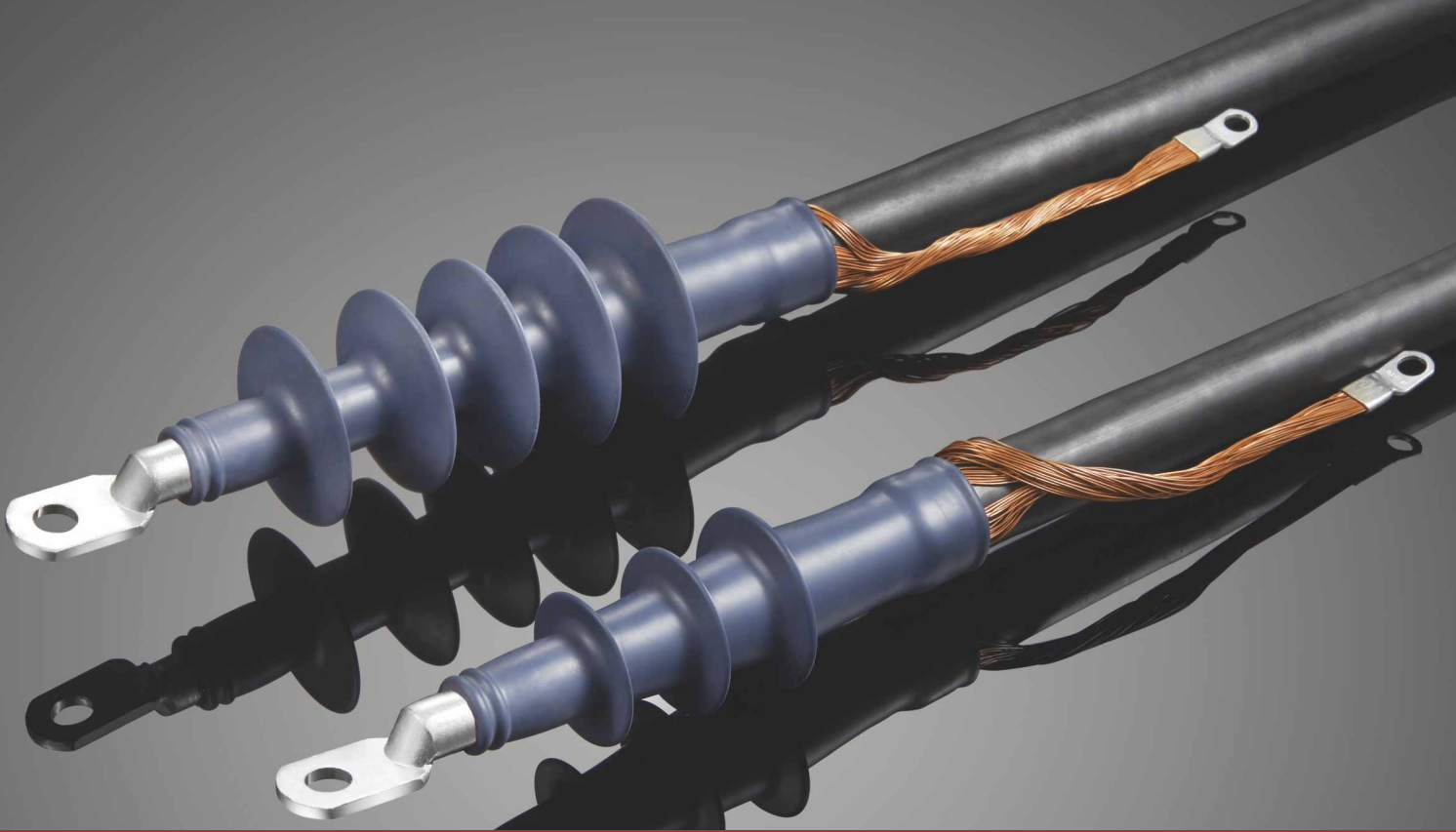
HCSTT
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HCRC-S
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HCRC-B
Cast Resin
Branch Joints



HCSIT/HCSOT Cold Shrink Indoor/Outdoor Termination

For XLPE or EPR insulated, 1 or 3 core cables up to 40.5kV with Al or Cu conductor

■ Shelf life & storage:

HCSIT/HCSOT Cold Shrink Indoor/Outdoor Termination has long shelf life when stored in a humidity controlled storage(-10°C to 40°C and < 75% relative humidity).



■ Features:

- **Safety**
Without using torches or any auxiliary tools.
- **Stability**
The geometric stress cone and insulator of cold-shrink terminations keep the active pressure and steady long-term operation to cable.
- **Easy installation**
Pull out the plastic string from silicon rubber parts, the silicon rubber will tightly shrink on the need position , which will reduce installation defects.
- **Material performance(LSR)**
Excellent performance in anti-flouring, ageing resistance, hydrophobicity, hydrophobicity transference and cold resistance.
- **Wide usage**
Applying to high -altitude area, cold area, humid area, salt mist area and seriously polluted area.
- **Small size**
Smallish cold-shrink terminations can minimize stripping distance effectively.

Key technical performances:

Standard	IEC 60502				
Voltage classes	6/10(12)kV	8.7/15(17.5)kV	12/20(24)kV	18/30(36)kV	26/35(40.5)kV
Partial discharge test at ambient temperature	10kV, <10pC	15kV, <10pC	20kV, <10pC	30kV, <10pC	45kV, <10pC
AC withstand voltage test	27kV 5min	39kV 5min	54kV 5min	81kV 5min	117kV 5min
Impulse voltage withstand	±75kV each polarity 10 times	±95kV each polarity 10 times	±125kV each polarity 10 times	±170kV each polarity 10 times	±200kV each polarity 10 times

Selection table:

6/10(12)kV

Indoor Termination	Outdoor Termination	Cable InsulationOD(mm)	Cable Conductor Cross-section(mm ²)
1x1 core			
HCSIT-12-7095-1	HCSOT-12-7095-1	16.5mm-19.7mm	70mm ² --95mm ²
HCSIT-12-1215-1	HCSOT-12-1215-1	19.7mm-23.5mm	120mm ² --150mm ²
HCSIT-12-1830-1	HCSOT-12-1830-1	22.5mm-31.3mm	185mm ² --300mm ²
HCSIT-12-4063-1	HCSOT-12-4063-1	28.9mm-38.0mm	400mm ² --630mm ²
1x3 cores			
HCSIT-12-7095	HCSOT-12-7095	16.5mm-19.7mm	70mm ² --95mm ²
HCSIT-12-1215	HCSOT-12-1215	19.7mm-23.5mm	120mm ² --150mm ²
HCSIT-12-1830	HCSOT-12-1830	22.5mm-31.3mm	185mm ² --300mm ²
HCSIT-12-4063	HCSOT-12-4063	28.9mm-38.0mm	400mm ² --630mm ²

8.7/15(17.5)kV

Indoor Termination	Outdoor Termination	Cable InsulationOD(mm)	Cable Conductor Cross-section(mm ²)
1x1 core			
HCSIT-17.5-2550-1	HCSOT-17.5-2550-1	16.5mm-19.7mm	25mm ² --50mm ²
HCSIT-17.5-7012-1	HCSOT-17.5-7012-1	19.7mm-23.5mm	70mm ² --120mm ²
HCSIT-17.5-1530-1	HCSOT-17.5-1530-1	22.5mm-31.3mm	150mm ² --300mm ²
HCSIT-17.5-4050-1	HCSOT-17.5-4050-1	28.9mm-38.0mm	400mm ² --500mm ²
HCSIT-17.5-630-1	HCSOT-17.5-630-1	38.0mm-44.1mm	630mm ²
1x3 cores			
HCSIT-17.5-2550	HCSOT-17.5-2550	16.5mm-19.7mm	25mm ² --50mm ²
HCSIT-17.5-7012	HCSOT-17.5-7012	19.7mm-23.5mm	70mm ² --120mm ²
HCSIT-17.5-1530	HCSOT-17.5-1530	22.5mm-31.3mm	150mm ² --300mm ²
HCSIT-17.5-4050	HCSOT-17.5-4050	28.9mm-38.0mm	400mm ² --500mm ²
HCSIT-17.5-630	HCSOT-17.5-630	38.0mm-44.1mm	630mm ²

12/20(24)kV

Indoor Termination	Outdoor Termination	Cable InsulationOD(mm)	Cable Conductor Cross-section(mm ²)
1x1 core			
HCSIT-24-3550-1	HCSOT-24-3550-1	19.7mm-23.5mm	35mm ² --50mm ²
HCSIT-24-7015-1	HCSOT-24-7015-1	22.5mm-31.3mm	70mm ² --150mm ²
HCSIT-24-1840-1	HCSOT-24-1840-1	28.9mm-38.0mm	185mm ² --400mm ²
HCSIT-24-5063-1	HCSOT-24-5063-1	38.0mm-44.1mm	500mm ² --630mm ²
1x3 cores			
HCSIT-24-3550	HCSOT-24-3550	19.7mm-23.5mm	35mm ² --50mm ²
HCSIT-24-7015	HCSOT-24-7015	22.5mm-31.3mm	70mm ² --150mm ²
HCSIT-24-1840	HCSOT-24-1840	28.9mm-38.0mm	185mm ² --400mm ²
HCSIT-24-5063	HCSOT-24-5063	38.0mm-44.1mm	500mm ² --630mm ²

18/30(36)kV

Indoor Termination	Outdoor Termination	Cable InsulationOD(mm)	Cable Conductor Cross-section(mm ²)
1x1 core			
HCSIT-36-5015-1	HCSOT-36-5015-1	25.9mm-33.9mm	50mm ² --150mm ²
HCSIT-36-1830-1	HCSOT-36-1830-1	33.7mm-41.3mm	185mm ² --300mm ²
HCSIT-36-4050-1	HCSOT-36-4050-1	41.3mm-47.0mm	400mm ² --500mm ²
HCSIT-36-630-1	HCSOT-36-630-1	47.0mm-53.5mm	630mm ²
1x3 cores			
HCSIT-36-5015	HCSOT-36-5015	25.9mm-33.9mm	50mm ² --150mm ²
HCSIT-36-1830	HCSOT-36-1830	33.7mm-41.3mm	185mm ² --300mm ²
HCSIT-36-4050	HCSOT-36-4050	41.3mm-47.0mm	400mm ² --500mm ²
HCSIT-36-630	HCSOT-36-630	47.0mm-53.5mm	630mm ²

26/35(40.5)kV

Indoor Termination	Outdoor Termination	Cable InsulationOD(mm)	Cable Conductor Cross-section(mm ²)
1x1 core			
HCSIT-42-5015-1	HCSOT-42-5015-1	33.7mm-41.6mm	50mm ² --150mm ²
HCSIT-42-1830-1	HCSOT-42-1830-1	41.3mm-47.0mm	185mm ² --300mm ²
HCSIT-42-4063-1	HCSOT-42-4063-1	47.0mm-53.5mm	400mm ² --630mm ²
1x3 cores			
HCSIT-42-5015	HCSOT-42-5015	33.7mm-41.6mm	50mm ² --150mm ²
HCSIT-42-1830	HCSOT-42-1830	41.3mm-47.0mm	185mm ² --300mm ²
HCSIT-42-4063	HCSOT-42-4063	47.0mm-53.5mm	400mm ² --630mm ²

*NOTE: 1. Cable insulation outer diameter is one of the prerequisite for cable accessories selection.
2. Above product selection is according to the IEC standard cable.

HKIT/HKOT
Heat Shrink
Termination

HKSJ
Heat Shrink
Joint

HAT/HATA
Medium
Voltage Tubing

HAS/HMB/HMR
Moulded Parts

HLVT/HLVJ
Heat Shrink
Termination & Joint

HRSL
Heat Shrink
Cable Repair Sleeve

HCSIT/HCSOT
Cold Shrink
Termination

HCSSJ
Cold Shrink Joint

HPMC/HPMRC
Cable Connector

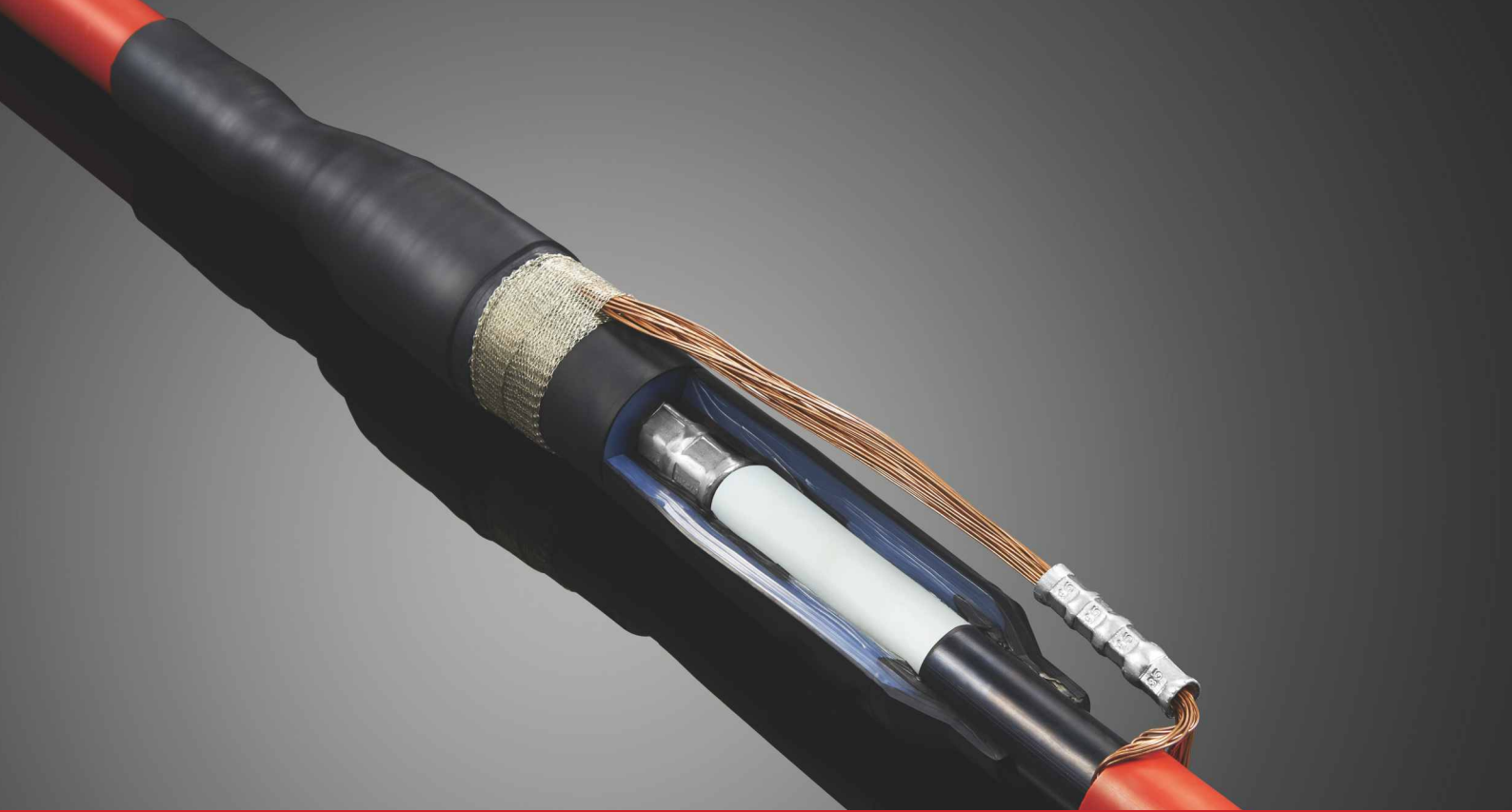
HCSTT
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Breakout

HCRK-S
Cast Resin
Straight
Through Joints

HCRK-B
Cast Resin
Branch Joints



HCSSJ Cold Shrink Joint

For XLPE or EPR insulated, 1 or 3 cores cables up to 40.5kV with Al or Cu conductor

■ Shelf life & storage:

HCSSJ Cold Shrink Joint has long shelf life when stored in a humidity controlled storage (-10°C to 40°C and < 75% relative humidity).



■ Features:

- **Safety**
Without using torches or any auxiliary tools.
- **Stability**
Cold-shrink joint is designed with geometric stress cone on both sides and Faraday Cage in the middle so that stress cone and insulator always keep the active pressure and steady long-term operation to cable.
- **Easy installation**
Pull out the plastic string from silicon rubber parts, the silicon rubber will tightly shrink on the need position, which will reduce installation defects.
- **Material performance(LSR)**
Excellent performance in anti-flouring, ageing resistance, hydrophobicity, hydrophobicity transference and cold resistance.
- **Wide usage**
Applying to cold area, humid area, salt mist area and seriously polluted area.
Special outer sheaths are available on request, such as heat shrink tubing, cast resin, armoring tape, etc.
- **Small size**
Smallish cold-shrink joint can minimize stripping distance effectively.

Key technical performances:

Standard	IEC 60502				
Voltage classes	6/10(12)kV	8.7/15(17.5)kV	12/20(24)kV	18/30(36)kV	26/35(40.5)kV
Partial discharge test at ambient temperature	10kV, <10pC	15kV, <10pC	20kV, <10pC	30kV, <10pC	45kV, <10pC
AC withstand voltage test	27kV 5min	39kV 5min	54kV 5min	81kV 5min	117kV 5min
Impulse voltage withstand	±75kV each polarity 10 times	±95kV each polarity 10 times	±125kV each polarity 10 times	±170kV each polarity 10 times	±200kV each polarity 10 times

Selection table:

6/10(12)kV

Joint	Cable Insulation OD(mm)	Cable Conductor Cross-section(mm ²)
1x1 core		
HCSSJ-12-7095-1	16.5mm-19.7mm	70mm ² --95mm ²
HCSSJ-12-1215-1	19.7mm-23.5mm	120mm ² --150mm ²
HCSSJ-12-1830-1	22.5mm-31.3mm	185mm ² --300mm ²
HCSSJ-12-4063-1	28.9mm-38.0mm	400mm ² --630mm ²
1x3 cores		
HCSSJ-12-7095	16.5mm-19.7mm	70mm ² --95mm ²
HCSSJ-12-1215	19.7mm-23.5mm	120mm ² --150mm ²
HCSSJ-12-1830	22.5mm-31.3mm	185mm ² --300mm ²
HCSSJ-12-4063	28.9mm-38.0mm	400mm ² --630mm ²

8.7/15(17.5)kV

Joint	Cable Insulation OD(mm)	Cable Conductor Cross-section(mm ²)
1x1 core		
HCSSJ-17.5-2550-1	16.5mm-19.7mm	25mm ² --50mm ²
HCSSJ-17.5-7012-1	19.7mm-23.5mm	70mm ² --120mm ²
HCSSJ-17.5-1530-1	22.5mm-31.3mm	150mm ² --300mm ²
HCSSJ-17.5-4050-1	28.9mm-38.0mm	400mm ² --500mm ²
HCSSJ-17.5-630-1	38.0mm-44.1mm	630mm ²
1x3 cores		
HCSSJ-17.5-2550	16.5mm-19.7mm	25mm ² --50mm ²
HCSSJ-17.5-7012	19.7mm-23.5mm	70mm ² --120mm ²
HCSSJ-17.5-1530	22.5mm-31.3mm	150mm ² --300mm ²
HCSSJ-17.5-4050	28.9mm-38.0mm	400mm ² --500mm ²
HCSSJ-17.5-630	38.0mm-44.1mm	630mm ²

12/20(24)kV

Joint	Cable Insulation OD(mm)	Cable Conductor Cross-section(mm ²)
1x1 core		
HCSSJ-24-3550-1	19.7mm-23.5mm	35mm ² --50mm ²
HCSSJ-24-7015-1	22.5mm-31.3mm	70mm ² --150mm ²
HCSSJ-24-1840-1	28.9mm-38.0mm	185mm ² --400mm ²
HCSSJ-24-5063-1	38.0mm-44.1mm	500mm ² --630mm ²
1x3 cores		
HCSSJ-24-3550	19.7mm-23.5mm	35mm ² --50mm ²
HCSSJ-24-7015	22.5mm-31.3mm	70mm ² --150mm ²
HCSSJ-24-1840	28.9mm-38.0mm	185mm ² --400mm ²
HCSSJ-24-5063	38.0mm-44.1mm	500mm ² --630mm ²

18/30(36)kV

Joint	Cable Insulation OD(mm)	Cable Conductor Cross-section(mm ²)
1x1 core		
HCSSJ-36-5015-1	25.9mm-33.9mm	50mm ² --150mm ²
HCSSJ-36-1830-1	33.7mm-41.3mm	185mm ² --300mm ²
HCSSJ-36-4050-1	41.3mm-47.0mm	400mm ² --500mm ²
HCSSJ-36-630-1	47.0mm-53.5mm	630mm ²
1x3 cores		
HCSSJ-36-5015	25.9mm-33.9mm	50mm ² --150mm ²
HCSSJ-36-1830	33.7mm-41.3mm	185mm ² --300mm ²
HCSSJ-36-4050	41.3mm-47.0mm	400mm ² --500mm ²
HCSSJ-36-630	47.0mm-53.5mm	630mm ²

26/35(40.5)kV

Joint	Cable Insulation OD(mm)	Cable Conductor Cross-section(mm ²)
1x1 core		
HCSSJ-40.5-5015-1	33.7mm-41.6mm	50mm ² --150mm ²
HCSSJ-40.5-1830-1	41.3mm-47.0mm	185mm ² --300mm ²
HCSSJ-40.5-4063-1	47.0mm-53.5mm	400mm ² --630mm ²
1x3 cores		
HCSSJ-40.5-5015	33.7mm-41.6mm	50mm ² --150mm ²
HCSSJ-40.5-1830	41.3mm-47.0mm	185mm ² --300mm ²
HCSSJ-40.5-4063	47.0mm-53.5mm	400mm ² --630mm ²

*NOTE: 1. Cable insulation outer diameter is one of the prerequisite for cable accessories selection.
2. Above product selection is according to the IEC standard cable.
3. Above product outer sheath is complete with heat shrinkable tubing.

HKIT/HKOT
Heat Shrink
Termination

HKSJ
Heat Shrink
Joint

HAT/HATA
Medium
Voltage Tubing

HAS/HMB/HMR
Moulded Parts

HLVT/HLVJ
Heat Shrink
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Cable Repair Sleeve

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Cold Shrink
Termination

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Cable Connector

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HCMB
Cold Shrink 3
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Breakout

HCRC-S
Cast Resin
Straight
Through Joints

HCRC-B
Cast Resin
Branch Joints



HPMC/HPMRC

Screen Cable Connector/Screen Rear Cable Connector for 630A

■ Shelf life & storage:

HPMC/HPMRC Screen cable Connector/Screen Rear cable Connector has long shelf life when stored in a humidity controlled storage(-10°C to 40°C and < 75% relative humidity).



■ Features:

● Material performance

LSR is a material with excellent characteristics, such as ageing resistance, weathering resistance, hydrophobicity, electrical performance stability, tensile strength, etc.

● Structure

Stress cone is designed with geometric structure which keeps the steady active pressure to cable.

● Electrical performance

The integrated LSR geometric stress cone provides high performances for Screened Connector, such as rugged structure, well-elasticity and reliable long-term operation.

● Achieving flexible installation

Without using any auxiliary tools, the Screened Connector can be installed vertically or horizontally, even under any angle. The Screened Connector has a compact design which is suitable for installations in narrow spaces.

● Security

The Screened Connector is screened and sealed so that it is touch-proof.

● Good extensibility

Screened Connector can be extended with Rear Connector or Surge Arrestor with easy installation steps.

■ Key technical performances:

Standard	IEC 60502			
Voltage classes	6/10 (12)kV	8.7/15 (17.5) kV	12/20(24)kV	18/30(36)kV
Partial discharge test at ambient temperature	10kV , <10pC	15kV , <10pC	20kV , <10pC	30kV , <10pC
AC withstand voltage test	27kV 5min	39kV 5min	54kV 5min	81kV 5min
Impulse voltage withstand	±75kV each polarity 10 times	±95kV each polarity 10 times	±125kV each polarity 10 times	±170kV each polarity 10 times

HKIT/HKOT
Heat Shrink Termination

HKSJ
Heat Shrink Joint

HAT/HATA
Medium Voltage Tubing

■ Selection table:

6/10(12)kV

Screen cable Connector	Screen Rear cable Connector	Cable Insulation OD(mm)	Cable Conductor Cross-section(mm ²)
HPMC-12-630A-A	HPMRC-12-630A-A	16.5mm-20.9mm	70mm ² --95mm ²
HPMC-12-630A-B	HPMRC-12-630A-B	20.3mm-24.3mm	120mm ² --185mm ²
HPMC-12-630A-C	HPMRC-12-630A-C	24.7mm-29.5mm	240mm ² --300mm ²
HPMC-12-630A-D	HPMRC-12-630A-D	29.5mm-36.3mm	400mm ² --500mm ²
HPMC-12-630A-E	HPMRC-12-630A-E	34.5mm-41.5mm	630mm ²

HAS/HMB/HMR
Moulded Parts

HLVT/HLVJ
Heat Shrink Termination & Joint

HRSL
Heat Shrink Cable Repair Sleeve

HCSIT/HCSOT
Cold Shrink Termination

8.7/15(17.5)kV

Screen cable Connector	Screen Rear cable Connector	Cable Insulation OD(mm)	Cable Conductor Cross-section(mm ²)
HPMC-17.5-630A-A	HPMRC-17.5-630A-A	16.5mm-20.9mm	25mm ² --50mm ²
HPMC-17.5-630A-B	HPMRC-17.5-630A-B	20.3mm-24.3mm	70mm ² --120mm ²
HPMC-17.5-630A-C	HPMRC-17.5-630A-C	24.7mm-29.5mm	150mm ² --185mm ²
HPMC-17.5-630A-D	HPMRC-17.5-630A-D	29.5mm-36.3mm	240mm ² --400mm ²
HPMC-17.5-630A-E	HPMRC-17.5-630A-E	34.5mm-41.5mm	500mm ² --630mm ²

HCSSJ
Cold Shrink Joint

HPMC/HPMRC
Cable Connector

HCSTT
Cold Shrink Trifurcation Kit

12/20(24)kV

Screen cable Connector	Screen Rear cable Connector	Cable Insulation OD(mm)	Cable Conductor Cross-section(mm ²)
HPMC-24-630A-A	HPMRC-24-630A-A	16.5mm-20.9mm	35mm ² --50mm ²
HPMC-24-630A-B	HPMRC-24-630A-B	20.3mm-24.3mm	70mm ² --95mm ²
HPMC-24-630A-C	HPMRC-24-630A-C	24.7mm-29.5mm	120mm ² --185mm ²
HPMC-24-630A-D	HPMRC-24-630A-D	29.5mm-36.3mm	240mm ² --300mm ²
HPMC-24-630A-E	HPMRC-24-630A-E	34.5mm-41.5mm	400mm ² --500mm ²

HCST
Cold Shrink Insulated Tubing

HCMB
Cold Shrink 3 Cores Cable Breakout

HCRK-S
Cast Resin Straight Through Joints

18/30(36)kV

Screen cable Connector	Screen Rear cable Connector	Cable Insulation OD(mm)	Cable Conductor Cross-section(mm ²)
HPMC-36-630A-A	HPMRC-36-630A-A	25.2mm-30.2mm	50mm ² --95mm ²
HPMC-36-630A-B	HPMRC-36-630A-B	30.2mm-35.9mm	120mm ² --185mm ²
HPMC-36-630A-C	HPMRC-36-630A-C	35.9mm-41.2mm	240mm ² --300mm ²
HPMC-36-630A-D	HPMRC-36-630A-D	41.2mm-44.5mm	400mm ² --500mm ²

HCRK-B
Cast Resin Branch Joints

*NOTE: 1. Cable insulation outer diameter is one of the prerequisite for cable accessories selection.
2. For three-core cable, HCSTT should be separately ordered.
3. The connector suit for bushings according to EN 50181, connection type C.



HCSTT Cold Shrinkable Trifurcation kit

For XLPE or EPR insulated 3 cores cables with Al or Cu conductor

■ Shelf life & storage:

HCSTT Cold Shrinkable Trifurcation Kit has long shelf life when stored in a humidity controlled storage (-10°C to 40°C and < 75% relative humidity).

■ Ordering information:

Standard colors:
Dark gray.

■ Features:

- Quick, easy and safe installation
- Immediate reenergizing
- High mechanical strength
- Waterproof
- Accommodates a wide range of cable sizes
- Seals tight, retains its resiliency and pressure



■ **Key technical performances:**

Test Items	Test Method	Test Requirements
Tensile strength	ASTM D 638	7MPa min.
Ultimate elongation	ASTM D 638	600% min.
Tear strength	ASTM D 638	20KN/m min.
Density	ASTM D 792	1.2g/cm ³

■ **Selection table:**

Cold shrink trifurcation kit

Cold shrink trifurcation kit	Cable Insulation OD(mm)	Cable outer sheath OD(mm)
HCSTT-1	13.5mm-19.5mm	41.0mm-55.0mm
HCSTT-2	20.5mm-23.5mm	56.0mm-64.5mm
HCSTT-3	24.0mm-28.0mm	66.0mm-73.5mm
HCSTT-4	29.5mm-33.0mm	75.0mm-84.0mm
HCSTT-5	34.0mm-39.5mm	85.0mm-112.0mm
HCSTT-6	40.5mm-45.5mm	113.5mm-140.0mm

HKIT/HKOT
Heat Shrink
Termination

HKSJ
Heat Shrink
Joint

HAT/HATA
Medium
Voltage Tubing

HAS/HMB/HMR
Moulded Parts

HLVT/HLVJ
Heat Shrink
Termination & Joint

HRSL
Heat Shrink
Cable Repair Sleeve

HCSIT/HCSOT
Cold Shrink
Termination

HCSSJ
Cold Shrink Joint

HPMC/HPMRC
Cable Connector

HCSTT
Cold Shrink
Trifurcation Kit

HCST
Cold Shrink
Insulated Tubing

HCMB
Cold Shrink 3
Cores Cable
Breakout

HCRK-S
Cast Resin
Straight
Through Joints

HCRK-B
Cast Resin
Branch Joints



HCST

Cold Shrink insulated Tubing

■ Shelf life & storage:

HCST Cold shrink insulated tubing has long shelf life when stored in a humidity controlled storage (-10°C to 40°C and < 75% relative humidity).

■ Ordering information:

Standard colors:
Dark gray.

■ Features:

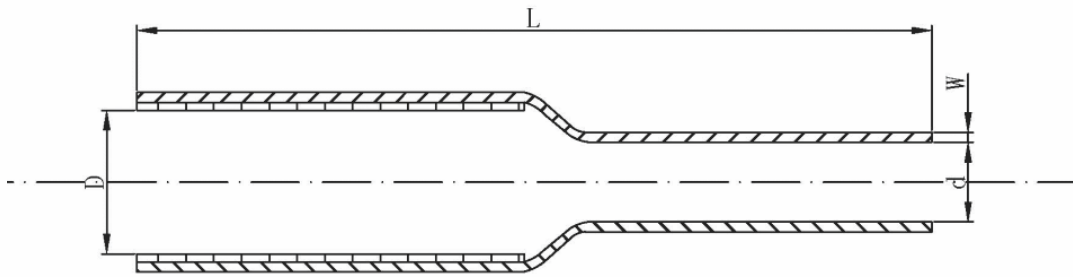
- Quick, easy and safe installation
- Immediate reenergizing
- High mechanical strength
- Waterproof
- Accommodates a wide range of cable sizes
- Seals tight, retains its resiliency and pressure



■ Key technical performances:

Test Items	Test Method	Test Requirements
Tensile strength	ASTM D 638	7MPa min.
Ultimate elongation	ASTM D 638	600% min.
Tear strength	ASTM D 638	20KN/m min.
Density	ASTM D 792	1.2g/cm ³

■ Selection table:



Size (mm)	As supplied (mm)		After recovered (mm)		Standard Length(mm) L
	D*(Min.)		d*(Max.)	w*(Min.)	
HCST-28/10	28		10	2.5	100-400
HCST-31/15	31		15	2.2	100-400
HCST-36/17	36		17	2.2	100-400
HCST-41/22	41		22	2.2	100-400
HCST-48/27	48		27	2.2	100-400
HCST-54/27	54		27	2.5	200-400
HCST-67/28	67		28	3.0	200-400
HCST-80/32	80		32	3.0	200-400
HCST-92/32	92		32	3.0	200-400
HCST-105/36	105		36	3.0	200-400

NOTE : D = Inner diameter as supplied
d* = Inner diameter after fully recovered
w* = Wall thickness after fully recovered

HKIT/HKOT
Heat Shrink
Termination

HKSJ
Heat Shrink
Joint

HAT/HATA
Medium
Voltage Tubing

HAS/HMB/HMR
Moulded Parts

HLVT/HLVJ
Heat Shrink
Termination & Joint

HRSL
Heat Shrink
Cable Repair Sleeve

HCSIT/HCSOT
Cold Shrink
Termination

HCSSJ
Cold Shrink Joint

HPMC/HPMRC
Cable Connector

HCSTT
Cold Shrink
Trifurcation Kit

HCST
Cold Shrink
Insulated Tubing

HCMB
Cold Shrink 3
Cores Cable
Breakout

HCRK-S
Cast Resin
Straight
Through Joints

HCRK-B
Cast Resin
Branch Joints



HCMB

Cold Shrink 3 cores cable Breakout

■ Shelf life & storage:

HCMB Cold shrink 3 cores cable breakout has long shelf life when stored in a humidity controlled storage (-10°C to 40°C and < 75% relative humidity).

■ Ordering information:

Standard colors:
Dark gray.

■ Features:

- Quick, easy and safe installation
- Immediate reenergizing
- High mechanical strength
- Waterproof
- Accommodates a wide range of cable sizes
- Seals tight, retains its resiliency and pressure



■ **Key technical performances:**

Test Items	Test Method	Test Requirements
Tensile strength	ASTM D 638	7MPa min.
Ultimate elongation	ASTM D 638	600% min.
Tear strength	ASTM D 638	20KN/m min.
Density	ASTM D 792	1.2g/cm ³

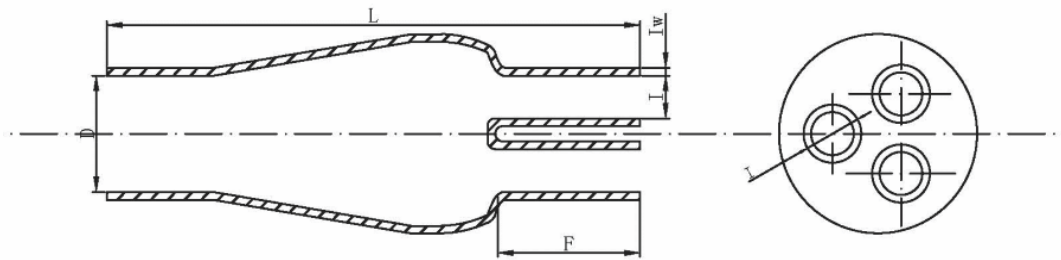
HKIT/HKOT
Heat Shrink
Termination

HKSJ
Heat Shrink
Joint

HAT/HATA
Medium
Voltage Tubing

HAS/HMB/HMR
Moulded Parts

■ **Selection table:**



HLVT/HLVJ
Heat Shrink
Termination & Joint

HRSL
Heat Shrink
Cable Repair Sleeve

HCSIT/HCSOT
Cold Shrink
Termination

HCSSJ
Cold Shrink Joint

Size	D (mm)		I (mm)		Recovered wall (±20%)	Recovered length (±10%)	
	(mm)	a* (Min.)	b* (Max.)	a* (Min.)		b* (Max.)	lw
HCMB-75/38	75	38	31	14	2.5	170	45
HCMB-92/43	92	43	36	16	2.5	180	45
HCMB-105/53	105	53	41	19	2.5	190	45
HCMB-120/62	120	62	48	23	3.5	201	45
HCMB-160/68	160	68	67	27	3.5	230	60
HCMB-200/85	200	85	80	32	3.5	230	60

HPMC/HPMRC
Cable Connector

HCSTT
Cold Shrink
Trifurcation Kit

HCST
Cold Shrink
Insulated Tubing

HCMB
Cold Shrink 3
Cores Cable
Breakout

HCRK-S
Cast Resin
Straight
Through Joints

HCRK-B
Cast Resin
Branch Joints

NOTE : a = Inner diameter as supplied
b* = Inner diameter after fully recovered



HCRK-S Cast Resin Joints

Low voltage Cast Resin straight through Joints

■ Shelf life & storage:

HCRK-S Cast Resin Joints has long shelf life when stored in a humidity controlled storage (-10°C to 40°C and < 75% relative humidity).



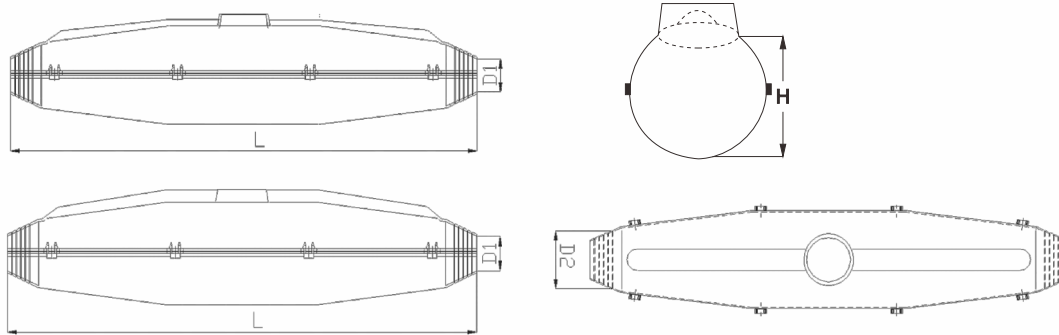
■ Features:

- No need to measure or mix with spatula.
- Just remove the dividing rail from the laminated Al-Pe bag and mix together. No spillage, or mess at installation site.
- The kit shells are made of high quality shatter proof PC (polycarbonate) resulting in excellent hydrophobic properties and unmatched impact resistance.
- The resin has good adhesion to PVC and metals ensure a watertight seal and excellent impact resistance.

■ Key technical performances:

Technical Data of PU25	Value	According to DIN VDE 0291
Voltage test at 23°C 80°C	>20kV >10kV	No breakdown at test voltage 20kV 10kV
Dielectric dissipation factor 23°C and 50Hz 23°C and 1kHz	0.08 0.05	max. 0.1 -
Relative permittivity 23°C and 50Hz 23°C and 1kHz	5 5.1	< 6 -
Tracking resistance	KA 3c	min. KA 3c

■ Selection table:



Cast Resin Joints	Cable Size mm ²	L(mm)	H(mm)	D1(mm)	D2(mm)
HCRK-S1	4x1,5-10	202	36	8	26
HCRK-S2	4x10-25	260	47	16	32
HCRK-S3	4x35-50	360	55	21	38
HCRK-S4	4x50-70	400	70	26	41
HCRK-S5	4x95-150	530	100	35	56
HCRK-S6	4x185-300	700	125	47	74

HKIT/HKOT
Heat Shrink
Termination

HKSJ
Heat Shrink
Joint

HAT/HATA
Medium
Voltage Tubing

HAS/HMB/HMR
Moulded Parts

HLVT/HLVJ
Heat Shrink
Termination & Joint

HRSL
Heat Shrink
Cable Repair Sleeve

HCSIT/HCSOT
Cold Shrink
Termination

HCSSJ
Cold Shrink Joint

HPMC/HPMRC
Cable Connector

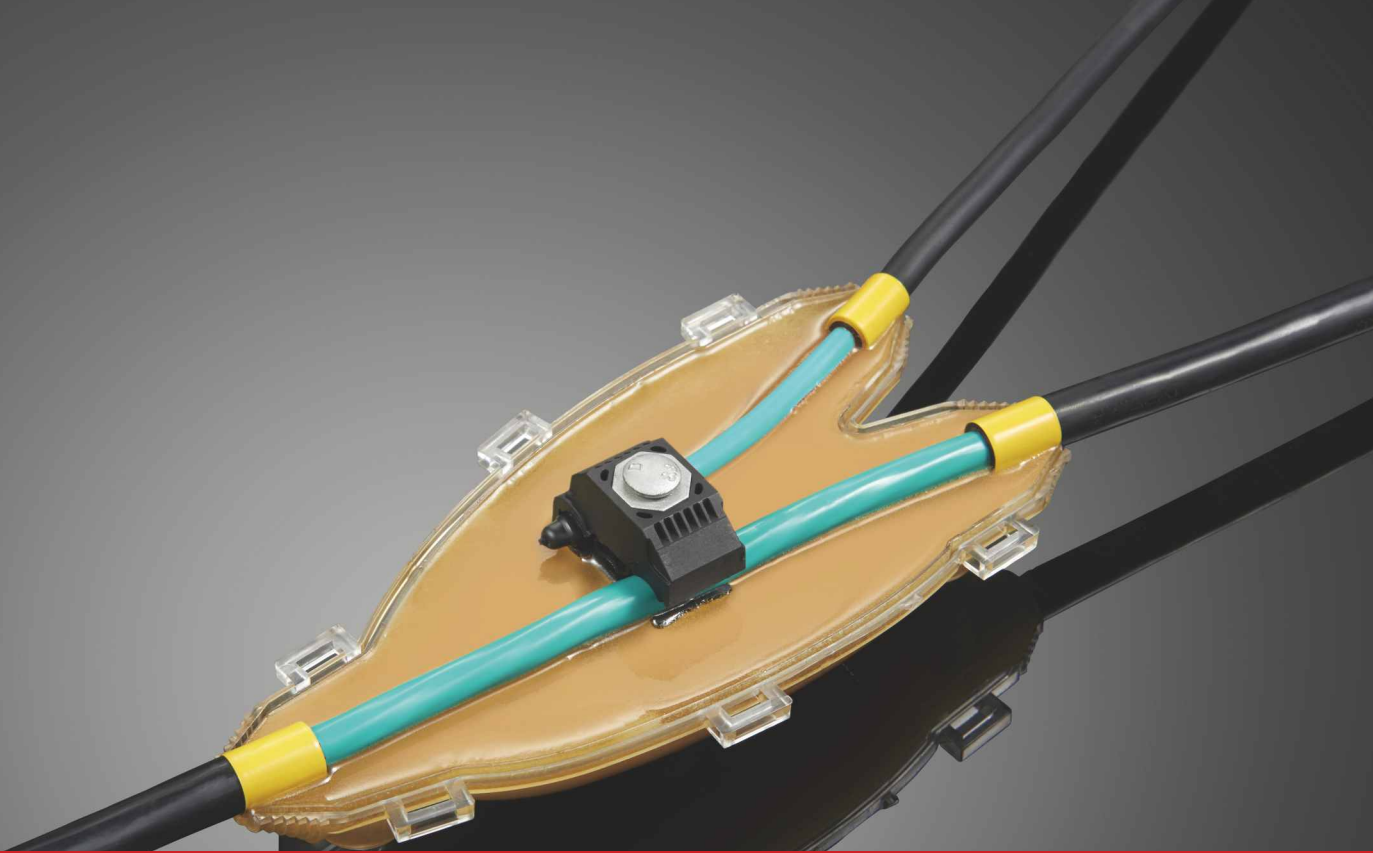
HCSTT
Cold Shrink
Trifurcation Kit

HCST
Cold Shrink
Insulated Tubing

HCMB
Cold Shrink 3
Cores Cable
Breakout

HCRK-S
Cast Resin
Straight
Through Joints

HCRK-B
Cast Resin
Branch Joints



HCRK-B

Cast Resin Joints
Low voltage Cast Resin branch Joints

■ Shelf life & storage:

HCRK-B Cast Resin Joints has long shelf life when stored in a humidity controlled storage (-10°C to 40°C and <75% relative humidity).



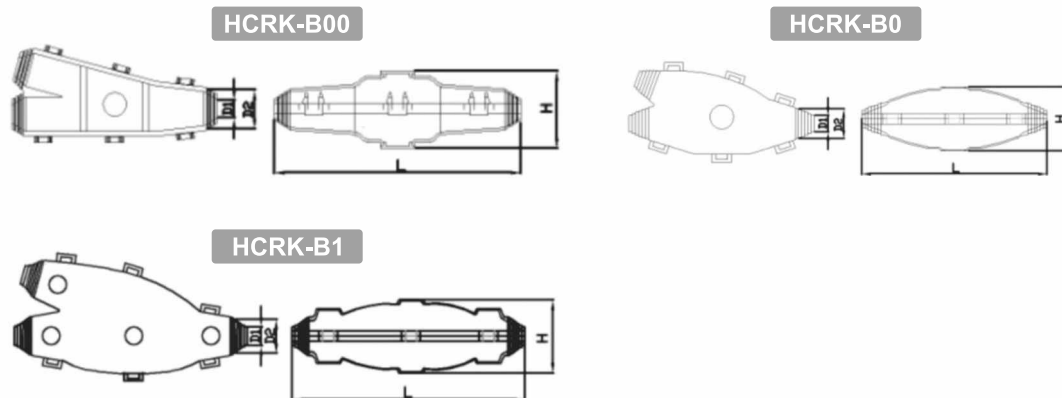
■ Features:

- No need to measure or mix with spatula.
- Just remove the dividing rail from the laminated Al-Pe bag and mix together. No spillage, or mess at installation site.
- The kit shells are made of high quality shatter proof PC (polycarbonate) resulting in excellent hydrophobic properties and unmatched impact resistance.
- The resin has good adhesion to PVC and metals ensure a watertight seal and excellent impact resistance.

■ Key technical performances:

Technical Data of PU25	Value	According to DIN VDE 0291
Voltage test at		No breakdown at test voltage
23°C	>20kV	20kV
80°C	>10kV	10kV
Dielectric dissipation factor		
23°C and 50Hz	0.08	max. 0.1
23°C and 1kHz	0.05	-
Relative permittivity		
23°C and 50Hz	5	<6
23°C and 1kHz	5.1	-
Tracking resistance	KA 3c	min. KA 3c

■ Selection table:



Type	Main Cable Size mm ²	Branch cable Size mm ²	D1(mm)	D2(mm)	H(mm)	L(mm)
HCRK-B00	4x1.5-2.5	4x1.5	11	20	50	150
HCRK-B0	4x4-10	4x4	6	21	60	175
HCRK-B1	4x6-25	4x16	9	24	70	225

HKIT/HKOT
Heat Shrink
Termination

HKSJ
Heat Shrink
Joint

HAT/HATA
Medium
Voltage Tubing

HAS/HMB/HMR
Moulded Parts

HLVT/HLVJ
Heat Shrink
Termination & Joint

HRSL
Heat Shrink
Cable Repair Sleeve

HCSIT/HCSOT
Cold Shrink
Termination

HCSSJ
Cold Shrink Joint

HPMC/HPMRC
Cable Connector

HCSTT
Cold Shrink
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HCST
Cold Shrink
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HCMB
Cold Shrink 3
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Breakout

HCRK-S
Cast Resin
Straight
Through Joints

HCRK-B
Cast Resin
Branch Joints



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