

Premolded one-piece cable joint

- without screen interruption JS 52–123 kV
- with screen interruption JX 52–123 kV

Use

For jointing XLPE- or EPR-insulated 52–123 kV cables with Al- or Cu-conductor and different cable sheaths.

Standard

Meets the requirements of:

- IEC 60840 including Annex H

Design

The joint body is made of rubber in three layers: a conductive outer layer, an insulating layer and a conductive inner layer in one piece.

The cable joint is supplied with bolt connector and heat-shrink outer jacket.



JS

Premolded cable joint without screen interruption.



JX

Premolded cable joint with screen interruption.

6

The joint is available in two different types

JS: Straight cable joint with heat-shrink outer jacket.

JX: Cross-bonded cable joint with heat-shrink outer jacket.

There are cable joints for different types of cable screen

C For cables with copper wire screen.

P For aluminium laminated cables.

M For cables with metal screen; lead, corrugated copper/aluminium or corrugated stainless steel.

The following cable data should be stated when ordering:

- Voltage
- Diameter of prepared insulation
- Conductor cross section
- Conductor material Cu or Al
- Diameter of conductor
- Screen, cross section and type
- Outer diameter of the cable
- If optical fibres in screen

Voltage	Cable insulation diameter		Conductor cross section
	min	max	
kV	mm		mm ²
52	33	75	150–1600
72	33	75	150–1600
123	46	100	150–2500

Note:

- A torque wrench, mounting kit, installation cone and installation tool RKM 145 are needed for assembling.
- For diameter across the prepared insulation and conductor cross section, see the table.
- For corrugated aluminium and stainless steel, the flux is not included in the soldering kit. For flux, please contact your local supplier.

WOKING

Unit 19, Woking Business Park
Albert Drive, Woking GU21 5JY
Tel: 01483 747747 • Fax: 01483 747001

BRISTOL

The Alpha Centre, Armstrong Way,
Great Western Business Park, Yate, Bristol BS37 5NG
Tel: 01454 322555 • Fax: 01454 323555

NORTON CANES

Unit 15-16, Bellsizes Close, Norton Canes,
Staffordshire WS11 9TQ
Tel: 01543 450555 • Fax: 01543 450600

Technical specification JS 52–123 kV



6

Insulation diameter	Designation	Dimensions		Net Weight
		L	Ø	
mm		mm		kg/kit
Cu-wire screen				
33–38	JS-A 05210 C	1860	140	25
38–42	JS-A 05211 C	1860	140	25
42–47	JS-A 05212 C	1860	150	25
47–54	JS-A 05213 C	1860	150	25
54–63	JS-A 05214 C	1860	170	25
63–75	JS-A 05215 C	1860	170	25
Metal-PE laminated (PAL)				
33–38	JS-A 05210 P	1860	140	25
38–42	JS-A 05211 P	1860	140	25
42–47	JS-A 05212 P	1860	150	25
47–54	JS-A 05213 P	1860	150	25
54–63	JS-A 05214 P	1860	170	25
63–75	JS-A 05215 P	1860	170	25
Metal screen lead; corrugated Cu, Al or stainless steel				
33–38	JS-A 05210 M	1860	140	25
38–42	JS-A 05211 M	1860	140	25
42–47	JS-A 05212 M	1860	150	30
47–54	JS-A 05213 M	1860	150	30
54–63	JS-A 05214 M	1860	170	30
63–75	JS-A 05215 M	1860	170	30

Insulation diameter	Designation	Dimensions		Weight
		L	Ø	
mm		mm		kg/kit
Cu-wire screen				
46–51	JS-A 12310 C	1860	170	28
51–57	JS-A 12311 C	1860	170	28
57–63	JS-A 12312 C	1860	180	30
63–72	JS-A 12313 C	1860	190	30
72–84	JS-A 12314 C	1860	212	32
84–100	JS-A 12315 C	1860	220	32
Metal-PE laminated (PAL)				
46–51	JS-A 12310 P	1860	176	29
51–57	JS-A 12311 P	1860	180	29
57–63	JS-A 12312 P	1860	195	31
63–72	JS-A 12313 P	1860	198	31
72–84	JS-A 12314 P	1860	218	33
84–100	JS-A 12315 P	1860	226	33

Insulation diameter	Designation	Dimensions		Net Weight
		L	Ø	
mm		mm		kg/kit
Cu-wire screen				
33–38	JS-A 07210 C	1860	140	25
38–42	JS-A 07211 C	1860	140	25
42–47	JS-A 07212 C	1860	150	25
47–54	JS-A 07213 C	1860	150	25
54–63	JS-A 07214 C	1860	170	25
63–75	JS-A 07215 C	1860	170	25
Metal-PE laminated (PAL)				
33–38	JS-A 07210 P	1860	140	25
38–42	JS-A 07211 P	1860	140	25
42–47	JS-A 07212 P	1860	150	25
47–54	JS-A 07213 P	1860	150	25
54–63	JS-A 07214 P	1860	170	25
63–75	JS-A 07215 P	1860	170	25
Metal screen lead; corrugated Cu, Al or stainless steel				
33–38	JS-A 07210 M	1860	140	25
38–42	JS-A 07211 M	1860	140	25
42–47	JS-A 07212 M	1860	150	30
47–54	JS-A 07213 M	1860	150	30
54–63	JS-A 07214 M	1860	170	30
63–75	JS-A 07215 M	1860	170	30

Insulation diameter	Designation	Dimensions		Weight
		L	Ø	
mm		mm		kg/kit
Metal screen lead; corrugated Cu, Al or stainless steel				
46–51	JS-A 12310 M	1860	176	29
51–57	JS-A 12311 M	1860	180	29
57–63	JS-A 12312 M	1860	195	31
63–72	JS-A 12313 M	1860	198	31
72–84	JS-A 12314 M	1860	218	33
84–100	JS-A 12315 M	1860	226	33

Technical specification JX-A 52–123 kV



Insulation diameter	Designation	Dimensions		Net Weight
		L	Ø	
mm		mm		kg/kit
Cu-wire screen				
33–38	JX-A 05210 C	2200	200–235	55
38–42	JX-A 05211 C	2200	200–235	55
42–47	JX-A 05212 C	2200	200–235	55
47–54	JX-A 05213 C	2200	200–235	55
54–63	JX-A 05214 C	2200	200–235	55
63–75	JX-A 05215 C	2200	200–235	55
Metal-PE laminated (PAL)				
33–38	JX-A 05210 P	2200	200–235	55
38–42	JX-A 05211 P	2200	200–235	55
42–47	JX-A 05212 P	2200	200–235	55
47–54	JX-A 05213 P	2200	200–235	55
54–63	JX-A 05214 P	2200	200–235	55
63–75	JX-A 05215 P	2200	200–235	55
Metal screen lead; corrugated Cu, Al or stainless steel				
33–38	JX-A 05210 M	2200	200–235	60
38–42	JX-A 05211 M	2200	200–235	60
42–47	JX-A 05212 M	2200	200–235	60
47–54	JX-A 05213 M	2200	200–235	60
54–63	JX-A 05214 M	2200	200–235	60
63–75	JX-A 05215 M	2200	200–235	60

Insulation diameter	Designation	Dimensions		Weight
		L	Ø	
mm		mm		kg/kit
Cu-wire screen				
46–51	JX-A 12310 C	2200	235–300	60
51–57	JX-A 12311 C	2200	235–300	60
57–63	JX-A 12312 C	2200	235–300	60
63–72	JX-A 12313 C	2200	235–300	60
72–84	JX-A 12314 C	2200	235–300	65
84–100	JX-A 12315 C	2200	235–300	65
Metal-PE laminated (PAL)				
46–51	JX-A 12310 P	2200	235–300	60
51–57	JX-A 12311 P	2200	235–300	60
57–63	JX-A 12312 P	2200	235–300	65
63–72	JX-A 12313 P	2200	235–300	65
72–84	JX-A 12314 P	2200	235–300	65
84–100	JX-A 12315 P	2200	235–300	65

Insulation diameter	Designation	Dimensions		Net Weight
		L	Ø	
mm		mm		kg/kit
Cu-wire screen				
33–38	JX-A 07210 C	2200	200–235	55
38–42	JX-A 07211 C	2200	200–235	55
42–47	JX-A 07212 C	2200	200–235	55
47–54	JX-A 07213 C	2200	200–235	55
54–63	JX-A 07214 C	2200	200–235	55
63–75	JX-A 07215 C	2200	200–235	55
Metal-PE laminated (PAL)				
33–38	JX-A 07210 P	2200	200–235	55
38–42	JX-A 07211 P	2200	200–235	55
42–47	JX-A 07212 P	2200	200–235	55
47–54	JX-A 07213 P	2200	200–235	55
54–63	JX-A 07214 P	2200	200–235	55
63–75	JX-A 07215 P	2200	200–235	55
Metal screen lead; corrugated Cu, Al or stainless steel				
33–38	JX-A 07210 M	2200	200–235	60
38–42	JX-A 07211 M	2200	200–235	60
42–47	JX-A 07212 M	2200	200–235	60
47–54	JX-A 07213 M	2200	200–235	60
54–63	JX-A 07214 M	2200	200–235	60
63–75	JX-A 07215 M	2200	200–235	60

Insulation diameter	Designation	Dimensions		Weight
		L	Ø	
mm		mm		kg/kit
Metal screen lead; corrugated Cu, Al or stainless steel				
46–51	JX-A 12310 M	2200	235–300	60
51–57	JX-A 12311 M	2200	235–300	60
57–63	JX-A 12312 M	2200	235–300	65
63–72	JX-A 12313 M	2200	235–300	65
72–84	JX-A 12314 M	2200	235–300	65
84–100	JX-A 12315 M	2200	235–300	65

Cable accessories for XLPE-insulated cables 52–420 kV | Kabeldon cable accessories 1–420 kV | 6/24

Tools and accessories, to be ordered separately JS and JX 52–123 kV



RKM 145
Installation tool for cable joints JS and JX 52–123 kV.



Installation cone
Installation cone for cable joints JS and JX 52–123 kV.



OKJ 2 and OKJ 3
Opto fiber kit for cables with integrated optical fibers in the earth screen. Used for JS and JX 123 kV only.

6

Designation	Description	Weight
		kg/unit
RKM 145	Installation tool	31
Installation cone	Installation cone	~ 0.5

Opto fiber kits

Cable joint	Suitable opto fiber kit	Article number
JS 123	OKJ 2	6248.0007
JX 123	OKJ 3	6248.0008

Selection guide for installation cone

Voltage level	Insulation diameter	Joint size	Installation Cone
kV	mm		Article number
52	33–38	JS-A/JX-A 05210 C/P/M	4550.0272
52	38–42	JS-A/JX-A 05211 C/P/M	4550.0273
52	42–47	JS-A/JX-A 05212 C/P/M	4550.0274
52	47–54	JS-A/JX-A 05213 C/P/M	4550.0275
52	54–63	JS-A/JX-A 05214 C/P/M	4550.0276
52	63–75	JS-A/JX-A 05215 C/P/M	4550.0277
72	33–38	JS-A/JX-A 07210 C/P/M	4550.0272
72	38–42	JS-A/JX-A 07211 C/P/M	4550.0273
72	42–47	JS-A/JX-A 07212 C/P/M	4550.0274
72	47–54	JS-A/JX-A 07213 C/P/M	4550.0275
72	54–63	JS-A/JX-A 07214 C/P/M	4550.0276
72	63–75	JS-A/JX-A 07215 C/P/M	4550.0277
123	46–51	JS-A/JX-A 12310 C/P/M	4550.0278
123	51–57	JS-A/JX-A 12311 C/P/M	4550.0279
123	57–63	JS-A/JX-A 12312 C/P/M	4550.0280
123	63–72	JS-A/JX-A 12313 C/P/M	4550.0281
123	72–84	JS-A/JX-A 12314 C/P/M	4550.0282
123	84–100	JS-A/JX-A 12315 C/P/M	4550.0283