

EPKJ

Raychem 11-33 kV Jointing System for Straight and Transition Joints

Joint selection chart - choose one figure from the left hand column of each table

Typical part number: EPKJ 17 C 3XU 3SB -W

Voltage
Cable size
Insulation - Cable 1
Insulation - Cable 2
Armour

Voltage class	
17	11 – 17.5 kV
24	22 kV
36	33 kV

Size in mm ²	11 kV	17.5 kV	22 kV	33 kV*
A	35 – 70	25 – 50	25	50 – 70
B	95 – 185	70 – 150	35 – 70	95 – 150
C	240 – 400	185 – 300	95 – 240	185 – 400
D	500 – 630	400 – 500	300 – 400	500 – 630

Cable 1 No. of cores	
1	for single-core cables
3	for 3-core cables

Insulation type	
XU	for polymeric (EPR or XLPE)
HL	for paper cables with lead sheath on each core
SB	for 3-core paper cables (screened or belted) with overall metal sheath

Cable 2 No. of cores	
1	for single-core cables
3	for 3-core cables

Insulation type	
XU	for polymeric (EPR or XLPE)
HL	for paper cables with lead sheath on each core
SB	for 3-core paper cables (screened or belted) with overall metal sheath

Armour**	
W	only to be used with 3c - 3c SWA cables

* For 6.6 kV or 33 kV joint selection, contact your TE specialist distributor or your local TE office.

** For single-core aluminium wire armoured cables, armour kit SMOE 61293 is required in addition to the joint kit.

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Raychem Medium Voltage Heat Shrink Cable Joints up to 17.5 kV

FEATURES

- Pre-engineered range taking heat-shrinkable tubings incorporating precisely engineered impedance stress control. EPKJ universal joints are suitable for a wide range of connectors and cable sizes with no limitations on shelf life

APPLICATION

- Suitable for polymeric, rubber and paper insulated MIND cables single and three core, armoured and non-armoured

CONFORMS TO

- CENELEC and IEC standards

Raychem medium voltage heat shrink cable joints up to 17.5 kV



Product name	Conductor size (mm ²)	Part number
XLPE TO XLPE		
Single core to three core		
EPKJ-17A/1XU-3XU	35 – 70	611905-011
EPKJ-17B/1XU-3XU	95 – 185	591811-011
EPKJ-17C/1XU-3XU	240 – 400	961580-011
Three core to three core		
EPKJ-17A/3XU-3XU	35 – 70	345116-011
EPKJ-17B/3XU-3XU	95 – 185	765410-011
EPKJ-17C/3XU-3XU	240 – 400	251291-011
Three core to three core armoured		
EPKJ-17A/3XU-3XU-W	35 – 70*	863732-011
EPKJ-17B/3XU-3XU-W	95 – 185*	467470-011
EPKJ-17C/3XU-3XU-W	240 – 400*	678746-011
XLPE to paper insulated lead covered single core		
EPKJ-17A/1XU-1HL	35 – 70	042316-011
EPKJ-17B/1XU-1HL	95 – 185	361308-011
EPKJ-17C/1XU-1HL	240 – 400	634912-011
EPKJ-17D/1XU-1HL	500 – 630	813649-011
Paper insulated lead covered single core		
EPKJ-17C/1HL-1HL	240 – 400	885779-011
EPKJ-17D/1HL-1HL	500 – 630	292748-011
XLPE to paper insulated lead covered 3-core unarmoured		
EPKJ-17A/3XU-3SB	35 – 70	179240-000
EPKJ-17B/3XU-3SB	95 – 185	226574-011
EPKJ-17C/3XU-3SB	240 – 400	545967-011
XLPE to paper insulated lead sheathed 3-core armoured		
EPKJ-17A/3XU-3SB-W	25 – 50	116472-011
EPKJ-17B/3XU-3SB-W	70 – 150	351372-011
EPKJ-17C/3XU-3SB-W	185 – 300	984248-011
Paper insulated lead sheathed 3-core armoured		
EPKJ-17A/3SB-3SB-W	25 – 50	144086-011
EPKJ-17B/3SB-3SB-W	70 – 150	098379-011
EPKJ-17C/3SB-3SB-W	185 – 300	114577-011
XLPE single core to paper insulated lead sheathed 3-core		
EPKJ-17B/1XU-3HL	95 – 185	635241-011
XLPE single core to paper insulated lead sheathed 3-core		
EPKJ-17A/1XU-3SB	35 – 70	652371-011
EPKJ-17B/1XU-3SB	95 – 185	650316-011
EPKJ-17C/1XU-3SB	240 – 400	747518-011
EPKJ-17D/1XU-3SB	500 – 630	098464-000

NOTE

SB for 3-core paper cables (screened or belted) with overall metal sheath.
HL for paper cables with lead sheath on each core.
Where possible use MXSU and MXSW product.

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Raychem Medium Voltage Heat Shrink Cable Joints up to 24 kV

FEATURES

- Pre-engineered range taking heat-shrinkable tubings incorporating precisely engineered impedance stress control. EPKJ universal joints are suitable for a wide range of connectors and cable sizes with no limitations on shelf life

APPLICATION

- Suitable for polymeric, rubber and paper insulated MIND cables
- single and three core, armoured and non-armoured

CONFORMS TO

- CENELEC and IEC standards

Raychem medium voltage heat shrink cable joints up to 24 kV



Product name	Conductor size (mm ²)	Part number
XLPE TO XLPE		
EPKJ-24D/1XU-3XU	300 – 400	858656-011
EPKJ-24D/3XU-3XU	300 – 400	209513-011
EPKJ-24B/3XU-3XU-W	35 – 70	961281-011
EPKJ-24C/3XU-3XU-W	95 – 240	741682-011
EPKJ-24D/3XU-3XU-W	300 – 400	425444-011
XLPE to paper insulated lead covered single core		
EPKJ-24B/1XU-1HL	35 – 70	533966-000
EPKJ-24C/1XU-1HL	95 – 240	110743-011
EPKJ-24D/1XU-1HL	300 – 400	818203-011
Paper insulated lead covered single core		
EPKJ-24B/1HL-1HL	35 – 70	712089-000
EPKJ-24C/1HL-1HL	95 – 240	122185-011
EPKJ-24D/1HL-1HL	300 – 400	861101-000
XLPE to paper insulated lead sheathed 3-core unarmoured		
EPKJ-24C/3XU-3SB	95 – 240	013208-011
XLPE to paper insulated lead sheathed 3-core armoured		
EPKJ-24C/3XU-3SB-W	95 – 240	600096-011
XLPE to paper insulated lead covered 3-core unarmoured.		
EPKJ-24C/3XU-3HL	95 – 240	634461-011
EPKJ-24D/3XU-3HL	300 – 400	736647-011
XLPE single core to paper insulated lead sheathed 3-core		
EPKJ-24A/1XU-3SB	25	655611-000
EPKJ-24B/1XU-3SB	35 – 70	866971-011
EPKJ-24C/1XU-3SB	95 – 240	972354-011
EPKJ-24D/1XU-3SB	300 – 400	025566-011
XLPE single core to paper insulated lead sheathed 3-core		
EPKJ-24B/1XU-3HL	35 – 70	026840-000
EPKJ-24C/1XU-3HL	95 – 240	861100-011
EPKJ-24D/1XU-3HL	300 – 400	338149-000

NOTE

SB for 3-core paper cables (screened or belted) with overall metal sheath.
HL for paper cables with lead sheath on each core.
Where possible use MXSU and MXSW product.

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Raychem Medium Voltage Heat Shrink Cable Joints up to 36 kV

FEATURES

- Pre-engineered range taking heat-shrinkable tubings incorporating precisely engineered impedance stress control. EPKJ universal joints are suitable for a wide range of connectors and cable sizes with no limitations on shelf life

APPLICATION

- Suitable for polymeric, rubber and paper insulated MIND cables single and three core, armoured and non-armoured

CONFORMS TO

- CENELEC and IEC standards

Raychem medium voltage heat shrink cable joints up to 36 kV



Product name	Conductor size (mm ²)	Part number
XLPE TO XLPE		
EPKJ-36A/1XU-1XU	50 – 70	116908-011
EPKJ-36B/1XU-1XU	95 – 150	407944-011
EPKJ-36C/1XU-1XU	185 – 400	682466-011
EPKJ-36D/1XU-1XU	500 – 630	698309-011
EPKJ-36A/3XU-3XU-W	50 – 70	653639-011
EPKJ-36B/3XU-3XU-W	95 – 150	245043-011
EPKJ-36C/3XU-3XU-W	185 – 400	868075-011
XLPE to paper insulated lead covered single core		
EPKJ-36A/1XU-1HL	50 – 70	933038-011
EPKJ-36B/1XU-1HL	95 – 150	093715-011
EPKJ-36C/1XU-1HL	185 – 400	697197-011
EPKJ-36D/1XU-1HL	500 – 630	291626-011
SMOE-64222	500 poly to 1000 mm ²	CS9849-011
Paper insulated lead covered single core		
EPKJ-36B/1HL-1HL	95 – 150	093715-011
EPKJ-36C/1HL-1HL	185 – 400	105526-011
EPKJ-36D/1HL-1HL	500 – 630	928072-011
XLPE to paper insulated lead sheathed 3-core armoured		
EPKJ-36C/3XU-3SB-W-GB01	185 – 240	CU8132-011
EPKJ-36B/3SB-3SB-W	95 – 150	267335-000
EPKJ-36C/3SB-3SB-W	185 – 400	012579-011
XLPE single core to paper insulated lead sheathed 3-core		
EPKJ-36A/1XU-3HL	50 – 70	756137-000
EPKJ-36B/1XU-3HL	95 – 150	018099-011
EPKJ-36C/1XU-3HL	185 – 400	021838-011
XLPE single core to paper insulated lead sheathed 3-core		
EPKJ-36A/1XU-3SB	50 – 70	348453-000
EPKJ-36B/1XU-3SB	95 – 150	016746-011
EPKJ-36C/1XU-3SB	185 – 400	815876-011