

Joists for polymer cables

Slip-on joints for polymer cables up to 170 kV

Variety of joints for your individual application needs

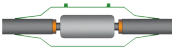
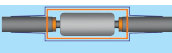
To assist you in the selection of the appropriate type of joint for your application, we have compiled an application table as given below.

specifications. All joints are designed so that direct- or indirect earthing, straight through connection or cross bonding can be realised.

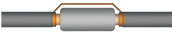
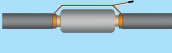

High flexibility in earthing

Earthing of our joints can be made according to customer

Applications of joints for polymer cables

Type	Radial moisture barrier	Mechanical protection	Advantages	Application
MPP 	Protection box	Protection box	<ul style="list-style-type: none"> • Good mechanical protection in different environments • Good sealing against moisture 	<ul style="list-style-type: none"> • In all types of laying, such as in tunnels, concrete pits or directly buried installations • In buried installations with humid soil
MPCC 	Cu-tube	Cu-tube with HDPE coating	<ul style="list-style-type: none"> • Compact dimensions • High degree of mechanical protection • Excellent sealing against moisture 	<ul style="list-style-type: none"> • In all types of laying, such as in tunnels, concrete pits or directly buried installations • In installations with permanent humidity or shallow water

Types of earthing of joints for polymer cables

Type	Screen connection	Application
-21 	Straight through connection, insulated to ground	Direct connection of cable screen without cross bonding
-21sp 	Straight through connection with direct or indirect earthing	Connection of cable screen to earthing link
-31 	Screen interruption, insulated to ground for cross bonding	Cross bonding of cable screen at the joint

Technical data of joints for polymer cables

Operating voltage U_{max}/kV	Ø over XLPE insulation mm	Max. conductor cross-section (Cu/Al) mm ²	Max. Ø of outer sheath mm	Type	Mechanical protection and radial moisture barrier
170	56 - 98	2000	150	MPP 1.170-21/-21sp/-31	Polyester protection box
	56 - 72	630	155	MPCC 1.170-21/-21sp/-31 ¹	Cu-tube with HDPE coating
	72 - 113	2500	155	MPCC 1.170-22/-22sp/-32 ¹	Cu-tube with HDPE coating

¹ The type of joint to be applied is only determined by diameter over insulation. If this value exceeds the stipulated dimensions, the larger joint type must be chosen.