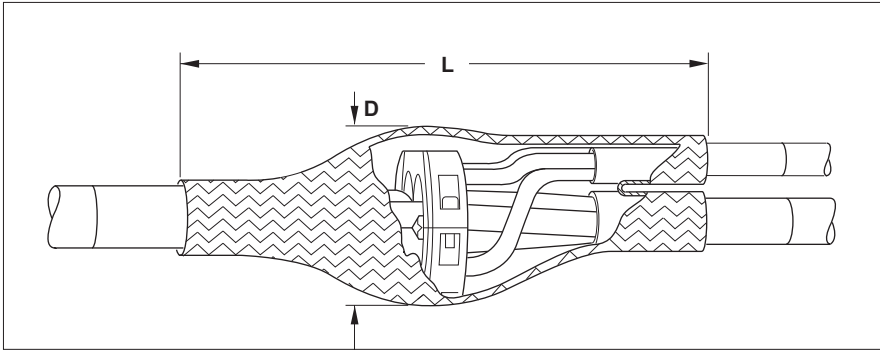
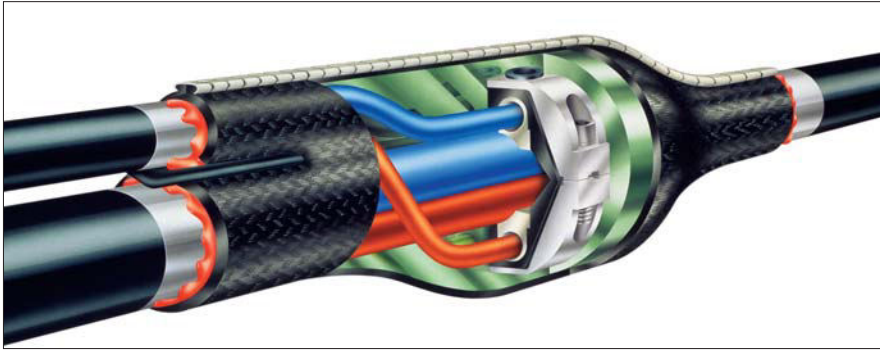


## Branch joints for polymeric and paper insulated cables



Dimensions L, D see table

### Cable

The joints are designed for 4-core paper and polymeric insulated cables with or without armour up to 240 mm<sup>2</sup>.

For example: N(A)YY, SZAPKOV, IPO 13, NPO 13, ACHPAbl, BBГ, ABBГ, YAKY, YKY, AKFtA, AYKY, CYKY, ANKOY, ANKOP, PP 00-(A), PP 41-(A), N(A)YBY, IPO 14.

### Design of joints

The joint is designed to be installed live by using compact ring connectors. Mastic around the cores and the connector seals and insulates. A fibre reinforced wraparound seals to the oversheath and provides mechanical protection. Joints for armoured cables include in addition solderless earth connections. Paper cables are sealed with additional oil-resistant mastic and a breakout for the branch cable.

### Conductors types:

sm: Sector stranded  
se: Sector solid  
rm: Round stranded  
re: Round solid

## Branch joints for polymeric and paper insulated cables

### Heat shrinkable branch joint for 4-core polymeric insulated cables including compact ring connector

Nominal voltage U <sub>0</sub> /U (kV)	Main conductor		Branch conductor		Ordering description	Dimensions		
	rm/sm (mm <sup>2</sup> )	re/se (mm <sup>2</sup> )	rm/sm (mm <sup>2</sup> )	re/se (mm <sup>2</sup> )		L (mm)	D (mm)	
0,6/1		5x 2,5–10 4– 16		5x 2,5–10 4– 16	SMOE-81601*	250	50	
		35– 70	50– 95	6– 50	6– 70	BMHM-1001-4B1-4874	500	135
		70–120	95–150	6– 50	6– 70	BMHM-1001-4B1-6875	500	135
		150	185se	6– 70	6– 70	BMHM-1001-4C1-6878	500	135
		185	240se	6– 70	6– 70	BMHM-1001-4D1-6879	500	155
		240sm	–	6– 70	6– 70	BMHM-1001-4D1-6880	500	155
		95–120	120–150	10– 95/ 35–120	16–120/ 50–150	BMHM-1001-4D2-6877	560	155

\* Insulated single core connectors are included.

**Note:** Additional sealing kits for double branches are available on request.

### Heat shrinkable branch joint for 3 1/2-core polymeric insulated cables including compact ring connector

Nominal voltage U <sub>0</sub> /U (kV)	Main cable phase conductor		neutral conductor		Branch conductor		Ordering description	Dimensions	
	rm/sm (mm <sup>2</sup> )	re/se (mm <sup>2</sup> )	rm/sm (mm <sup>2</sup> )	re/se (mm <sup>2</sup> )	rm/sm (mm <sup>2</sup> )	re/se (mm <sup>2</sup> )		L (mm)	D (mm)
0,6/1	70–120	95–150	35–70	50–95	6–50	6–70	BMHM-1001-4B1-4875.3	500	135
	150sm	–	70sm	70	6–50*	6–50	BMHM-1001-4C1-6878.3	500	135
	185sm	–	–	95re	6–50*	6–50	BMHM-1001-4D1-6879.3	500	155
	240sm	–	–	120re	6–50*	6–50	BMHM-1001-4D1-6880.3-RE	500	155
	240sm	–	120sm	–	6–50*	6–50	BMHM-1001-4D1-6880.3-SM	500	155

\* Needs to be rounded for 50 mm<sup>2</sup> sm.

**Note:** Additional sealing kits for double branches are available on request.

### Heat shrinkable branch joint without connector

Nominal voltage U <sub>0</sub> /U (kV)	Cross section		Ordering description	Connector diameter (mm)	Dimensions	
	Main cable (mm <sup>2</sup> )	Branch cable (mm <sup>2</sup> )			L (mm)	D (mm)
<b>Branch joints for polymeric insulated cables without armour</b>						
0,6/1	16–185	6– 95	BMHM-1001-4B1	115	500	135
	95–185	6– 95	BMHM-1001-4C1	115	500	135
	95–240	6– 70	BMHM-1001-4D1	135	500	155
	95–240	6–150	BMHM-1001-4D2	135	560	155
<b>Branch joints for polymeric insulated cables with steel tape armour or aluminium tape shield</b>						
0,6/1	16–185	16– 95	BMHM-1031-4C1-CEE01 + EPPA 206-4-250*	115	560	135
	95–185	16– 95	BMHM-1031-4C1-CEE01	115	560	135
	95–240	50–120	BMHM-1031-4D1-CEE01	135	560	155
<b>Branch joints for paper insulated main cables and polymeric insulated branch cables</b>						
0,6/1	35– 95	35–95	SMOE-81551	115	560	135
	120–185	35–95	SMOE-81503	115	560	135
	120–240	35–95	SMOE-81740	135	650	155

\* EPPA-206-4-250 filler mastic must be used if the cross section is less than 95 mm<sup>2</sup>.

**Compact ring connectors for cross sections up to 240 mm<sup>2</sup> are also available separately, see page 73.**