

Hybrid Straight-through Joint (three- to single-core) Type **CHM3-1**

For polymeric cables up to 36 kV

Application Hybrid joints Type CHM3-1 are suitable to connect polymeric medium voltage three-core cables with single-core cables. This enables to join cables with different conductor materials, cable insulations (PE, XLPE, EPR) as well as different outer semi-conducting layers and screening.

Design A three- to single-core hybrid joint consists of:

- Slip-on silicone stress control elements
- Blue stress relieve filling tapes
- Thick-wall heat-shrink insulation tubes
- Copper screen transfer
- Heat-shrink outer protecting tube (resin outer protection on request)

Features

- Safe stress control
- Easy to handle
- Wide cross-section range
- Suitable for all connectors
- Unlimited shelf life
- Immediately operational

Delivery Standard packing unit: one piece for three phases without connectors.



Ordering Details

Type	Cross Section ¹⁾	Min. Ø ²⁾ over insulation mm	Max. Ø of connector mm	Max. length of connector mm
	mm ²			
3.6/6 (7.2) kV – 3.8/6.6 (7.2) kV				
CHM3-1 6/1	50 – 120	13.2	25	110
CHM3-1 6/2	150 – 185	18.2	35	140
CHM3-1 6/3	240 – 300	20.9	40	150
6/10 (12) kV – 6.35/11 (12) kV				
CHM3-1 10/0	10 – 25	9.9	18	110
CHM3-1 10/1	35 – 70	13.2	20	110
CHM3-1 10/2	95 – 150	18.2	25	140
CHM3-1 10/3	185 – 300	20.9	35	150
8.7/15 (17.5) kV				
CHM3-1 15/1	25 – 50	13.2	18	110
CHM3-1 15/2	70 – 150	18.2	25	140
CHM3-1 15/3	150 – 240	20.9	35	150
CHM3-1 15/4	300 – 500	28.6	45	220
12/20 (24) kV – 12.7/22 (24) kV				
CHM3-1 20/1	10 – 35	13.2	20	100
CHM3-1 20/2	50 – 95	18.2	25	110
CHM3-1 20/3	95 – 185	20.9	30	140
CHM3-1 20/4	185 – 300	28.6	35	150
18/30 (36) kV – 19/33 (36) kV				
CHM3-1 30/1	35 – 50	20.9	18	110
CHM3-1 30/2	70 – 150	24.2	25	140
CHM3-1 30/3	185 – 300	28.6	35	150

1) Check minimum diameter over conductor insulation.

2) Minimum diameter after removal of the outer semi-conducting layer.

Other cross-section ranges on request.

