



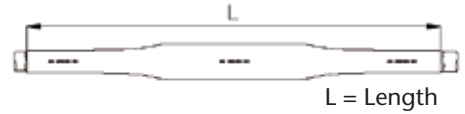
# CHM3

## Three-core straight-through joint

for all 3-core polymeric cables

Type CHM3 straight-through joints are suitable for all three-core plastic-insulated cables (PVC, PE, XLPE, EPR). They allow the connection of cables with different cross sections, conductive materials, semi-conducting layers (graphite-coated, removable or strippable) and screen (copper wire or tape). Suitable for compression connectors.

Dimensions



### Characteristics

- Reliable stress control due to flexible silicone stress control elements
- Wide conductor and cross-section range
- Quick, safe and easy assembly
- Ready for immediate operation

### Application

- Indoor
- Outdoor
- Underground
- Water
- Installation ducts
- Ductwork

### Note

- Compression connectors not included
- Joints with a range of  $U_m = 12$  kV must be used for cables of  $U_m = 7.2$  kV. (Check minimum diameter over conductor insulation).

### Storage conditions/Shelf life

- Unlimited shelf life

### Scope of delivery

- Thick wall heat-shrinkable insulation tubing
- Thick wall heat-shrinkable outer tubing with hot melt adhesive
- Silicone stress-control element
- Copper braid tube
- Pressure springs
- Stress control filling tape (blue)
- Assembly instructions

Type	L mm	min. Ø over conductor insulation after removal of outer semi-conducting layer mm	max. Ø of connector mm	max. connector length mm	Nominal cross section mm <sup>2</sup>				Art.-No.	
					12kV	17.5kV	24kV	36kV		
<b><math>U_0/U (U_m)</math> 6/10 (12)kV - 6.35/11 (12)kV</b>										
CHM3 12kV	10-25	1200	9.9	16	90	10 - 25				<b>194293</b>
	35-95	1200	12.6	25	135	35 - 95				<b>194294</b>
	95-240	1200	17.3	32	145	95 - 240				<b>194295</b>
	150-300	1200	19.9	40	200	150 - 300				<b>194296</b>
<b><math>U_0/U (U_m)</math> 8.7/15 (17.5)kV</b>										
CHM3 17kV	35-95	1200	12.6	25	135		35 - 95			<b>194297</b>
	70-240	1200	17.3	32	145		70 - 240			<b>194298</b>
	120-300	1200	19.9	34	150		120 - 300			<b>194299</b>
	240-400	1200	23.1	40	200		240 - 400			<b>194300</b>
<b><math>U_0/U (U_m)</math> 12/20 (24)kV - 12.7/22 (24)kV</b>										
CHM3 24kV	10-35	1200	12.6	20	100			10 - 35		<b>194301</b>
	50-150	1200	17.3	25	135			50 - 150		<b>194302</b>
	70-240	1200	19.9	32	145			70 - 240		<b>194303</b>
	150-300	1200	23.1	40	200			150 - 300		<b>194304</b>
<b><math>U_0/U (U_m)</math> 18/30 (36)kV - 19/33 (36)kV</b>										
CHM3 36kV	35-70	1200	19.9	20	110				35 - 70	<b>194305</b>
	50-150	1200	23.1	25	135				50 - 150	<b>194306</b>
	150-300	1200	27.3	38	200				150 - 300	<b>194307</b>

Appropriate compression connectors must be ordered separately.  
Armour continuity kit for armoured cable available to order.