



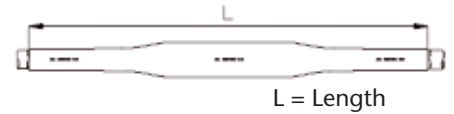
## CHM

### Single-core straight-through joint

for all polymeric single-core cables

Type CHM straight-through joints are suitable for all single-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 screening (copper wire or tape). Suitable for compression connectors.

#### Dimensions



#### Characteristics

- Reliable stress control due to flexible silicone stress control elements
- For all cables with copper wire or tape screen
- 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 elements
- Copper braid tube
- Pressure springs
- Stress control filling tape (blue)
- Assembly instructions

#### Tests

- CENELEC HD 629.1 (DIN VDE 0278, part 629-1)



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>U<sub>0</sub>/U (U<sub>m</sub>) 6/10 (12)kV - 6.35/11 (12)kV</b>										
CHM 12kV	10-25	650	9.9	16	90	10 - 25				<b>194072</b>
	35-95	650	12.6	25	135	35 - 95				<b>194073</b>
	95-240	650	17.3	32	145	95 - 240				<b>194074</b>
	150-300	700	19.9	40	200	150 - 300				<b>194075</b>
	300-400	700	23.1	40	200	300 - 400				<b>194076</b>
	500-800	850	27.3	60	360	500 - 800				<b>194077</b>
	800-1000	850	36.8	60	360	800 - 1000				<b>194078</b>
<b>U<sup>0</sup>/U (U<sub>m</sub>) 8.7/15 (17.5)kV</b>										
CHM 17kV	35-95	650	12.6	25	135		35 - 95			<b>194079</b>
	70-240	650	17.3	32	145		70 - 240			<b>194080</b>
	240-400	700	23.1	40	200		240 - 400			<b>194082</b>
	400-630	850	27.3	60	360		400 - 630			<b>194083</b>
	630-1000	850	36.8	60	360		630 - 1000			<b>194085</b>
<b>U<sub>0</sub>/U (U<sub>m</sub>) 12/20 (24)kV - 12.7/22 (24)kV</b>										
CHM 24kV	10-35	650	12.6	20	100			10 - 35		<b>193339</b>
	50-150	650	17.3	25	135			50 - 150		<b>193370</b>
	70-240	700	19.9	32	145			70 - 240		<b>194086</b>
	150-300	700	23.1	40	200			150 - 300		<b>194087</b>
	400-630	850	27.3	60	360			400 - 630		<b>194088</b>
	630-1000	850	36.8	60	360			630 - 1000		<b>194089</b>
<b>U<sub>0</sub>/U (U<sub>m</sub>) 18/30 (36)kV - 19/33 (36)kV</b>										
CHM 36kV	35-70	650	19.9	20	110				35 - 70	<b>194090</b>
	50-150	700	23.1	25	135				50 - 150	<b>194091</b>
	150-300	700	27.3	38	200				150 - 300	<b>194092</b>
	300-500	700	27.3	45	200				300 - 500	<b>194093</b>
	500-800	850	36.8	60	360				500 - 800	<b>194094</b>

Armour continuity kit must be ordered separately.  
 Appropriate compression connector must be ordered separately.