



# CHMSV3

## 3-core straight-through joint

with screw connectors, for all 3-core polymeric cables

Hybrid straight-through joints CHMSV3 are suitable for all 3-core polymeric-insulated cables (PVC, PE, XLPE, EPR). They allow the connection of cables with copper wire screen with different cross sections and conductor materials even with different cable designs concerning the semi-conductive layer (graphite-coated, removable or strippable). With screw connectors.

### Characteristics

- Reliable stress control due to flexible silicone stress control elements
- For both copper and aluminium conductors
- For all cables with copper wire screen
- Wide conductor and cross-section range
- Quick, safe and easy assembly
- Ready for immediate operation
- Suitable for a wide range of applications due to integrated screw connector

### Application/Suitability

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

### Voltage level

- $U_0/U_m$  6/10 (12) kV - 19/33 (36) kV

### Test standards

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

### Storage conditions/Shelf life

- Unlimited shelf life



Dimensions



### Scope of delivery

Thick wall heat shrinkable insulation tubes, thick wall heat shrinkable outer tube with hot melt adhesive, silicone stress control element, copper braid tape, field control filling tape (blue), innovative screw connectors with conductive cover, screw connector for copper-wire screen, assembly material, assembly instructions

Note: Straight-through joints with larger cross-section available on request.

Type	L mm	min. Ø over core insulation after removal of the outer conductive layer mm	12 kV	17.5 kV	24 kV	36 kV	Art.-No.
			Nominal cross section mm <sup>2</sup>				
<b><math>U_0/U_m</math> 6/10 (12) kV - 6.35/11 (12) kV</b>							
CHMSV3 12kV	25-95	1050	12.6	25 - 95			297348
	70-150	1050	14.7	70 - 150			297350
	95-240	1100	17.3	95 - 240			297260
	240-400	1250	23.1	240 - 400			297358
<b><math>U_0/U_m</math> 8.7/15 (17.5) kV</b>							
CHMSV3 17kV	25-95	1050	14.7	25 - 95			297349
	70-150	1050	18.0	70 - 150			297351
	95-240	1100	19.9	95 - 240			297310
	240-400	1250	24.0	240 - 400			297360
<b><math>U_0/U_m</math> 12/20 (24) kV - 12.7/22 (24) kV</b>							
CHMSV3 24kV	16-95	1050	14.7		16 - 95		297433
	50-150	1050	17.3		50 - 150		297352
	95-240	1100	19.9		95 - 240		297104
	240-400	1250	27.3		240 - 400		297361
<b><math>U_0/U_m</math> 18/30 (36) kV - 19/33 (36) kV</b>							
CHMSV3 36kV	50-150	1050	20.9			50 - 150	297353
	95-240	1100	24.2			95 - 240	297311
	240-400	1250	32.0			240 - 400	297362