

**CHMSV****1-core straight-through joint**

with screw connector, for all 1-core polymeric cables

Hybrid straight-through joints CHMSV are suitable for all 1-core polymeric-insulated cables (PVC, PE, XLPE, EPR). They allow the connection of cables with different cross sections and conductor materials even with different cable designs concerning the semi-conductive layer (graphite-coated, removable or strippable) and screen design (copper wire or tape screen). With screw connector.

Characteristics

- Reliable stress control due to flexible silicone stress control elements
- For both copper and aluminium conductors
- For all cables with copper wire or tape 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

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

Note

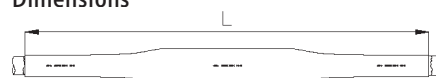
- 12 kV joints must be used for 7.2 kV cables. (Check minimum diameter over conductor insulation.)

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 elements, copper braid tube, pressure springs, innovative screw connector with conductive cover, field control filling tape (blue), assembly material, assembly instructions

Note: Other straight-through joints available on request.

			12 kV	17.5 kV	24 kV	36 kV		
Type	L mm	min. Ø over core insulation after removal of the outer conductive layer mm	Nominal cross section mm²					Art.-No.
U ₀ /U (U _m) 6/10 (12) kV - 6.35/11 (12) kV								
CHMSV 12kV	25-95	600	12.6	25 - 95				258130
	70-150	600	14.7	70 - 150				258131
	95-240	600	17.3	95 - 240				258132
	240-400	650	23.1	240 - 400				258133
U ₀ /U (U _m) 8.7/15 (17.5) kV								
CHMSV 17kV	25-95	600	14.7		25 - 95			258135
	70-150	600	18.0		70 - 150			258136
	95-240	600	19.9		95 - 240			258137
	240-400	700	24.0		240 - 400			258138
U ₀ /U (U _m) 12/20 (24) kV - 12.7/22 (24) kV								
CHMSV 24kV	16-95	600	14.7			16 - 95		258140
	50-150	600	17.3			50 - 150		258141
	95-240	600	19.9			95 - 240		258142
	240-400	700	27.3			240 - 400		258143
U ₀ /U (U _m) 18/30 (36) kV - 19/33 (36) kV								
CHMSV 36kV	50-150	600	20.9				50 - 150	258144
	95-240	600	24.2				95 - 240	258145
	240-400	700	32.0				240 - 400	258146