Single-core Straight-through Joint Type CAM

for all single-core polymeric cables up to 24 kV

Application

Straight-through joints Type CAM are designed to cover single-core polymeric cables (PVC, PE, XLPE, EPR). They are suitable for cables with different cross sections, conductor materials, semi-conducting layers (graphitized, triple extruded or peelable) and with copper wire or tape screen.

Features

- Quick, easy and safe installation due to factory-moulded silicone components
- Reliable stress control for all operating conditions due to stress control elements made of permanently flexible silicone material
- Wide cross-section range suitable for all types of connectors
- Applicable for all types of cables
- Unlimited shelf life and immediate operation after installation

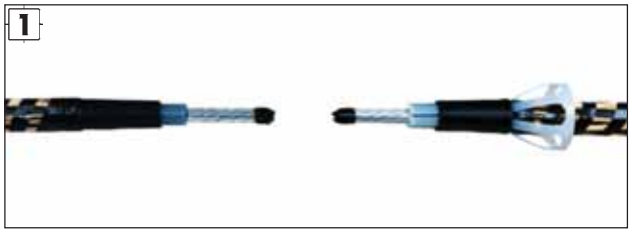
Design

A kit of joint consists of the following main components:

- Factory-moulded silicone body with built-in semi-conducting layer (each piece routine tested)
- Silicone stress control elements
- Copper braid sleeves and pressure springs for screen connection
- Outer protection with EPDM enclosure

Delivery

One piece for one phase without connectors.
Necessary connectors can be ordered separately.

















CELLPACK Electrical Products

Ordering Details

Art.-No.	Type	Q mm²	Ø1 mm	Ø2 mm	VL mm	L mm
U_0/U (U_m) 6/10 (12) kV – 6.35/11 (12) kV						
199142	CAM 12kV	25 – 95	12.6	32	160	750
199213	CAM 12kV	95 – 240	17.3	32	160	750
199214	CAM 12kV	150 – 400	19.9	35	160	750
199215	CAM 12kV	50 – 240	14.7	35	160	750
U_0/U (U_m) 8.7/15 (17.5) kV						
199216	CAM 17kV	10 – 70	12.6	32	160	750
199217	CAM 17kV	70 – 150	17.3	32	160	750
199218	CAM 17kV	35 – 150	14.7	35	160	750
199219	CAM 17kV	95 – 300	19.9	35	160	750
U_0/U (U_m) 12/20 (24) kV – 12.7/22 (24) kV						
199220	CAM 24kV	16 – 120	14.7	35	160	750
199221	CAM 24kV	35 – 95	17.3	32	160	750
199222	CAM 24kV	70 – 240	19.9	35	160	750

Q = Nominal cross section – definite assignment confer diameter over conductor insulation
Ø1 = Minimum diameter over conductor insulation after removal of the outer semi-conducting layer
Ø2 = maximum diameter over connector
VL = maximum length of connector
L = Total length of the straight-through joint

Basic version includes EPDM enclosure (see Fig. 7 and 8)

Alternatives for outer protection upon request:
- Thick-wall heat-shrink tube
- Injected resin
- Wrapped cover with special tape

Note

For cables of U_m = 7.2 kV please use the joints of U_m = 12 kV. (Check the minimum diameter over conductor insulation – Ø1).
Straight-through joints for cables U_0/U (U_m) 18/30 (36) kV upon request.

Accessories

The following accessories are not included. They can be ordered additionally and will be included in the kit box:

- Compression connector Cu Type DV-CU-V
- Compression connector Al Type DV-AL
- Screw connector for Cu and Al Type SV-V-AS