

Hybrid Transition Joints

Type **CHMP3** and **CHMP3-1**

For belted cables up to 17.5 kV

Application

Hybrid transition joints Type **CHMP3** are used for connecting three-core paper-insulated belted cables with three-core polymeric cables.

Hybrid transition joints Type **CHMP3-1** are used for connecting three-core paper-insulated belted cables with three single-core polymeric cables.

Design

A transition joint consists of:

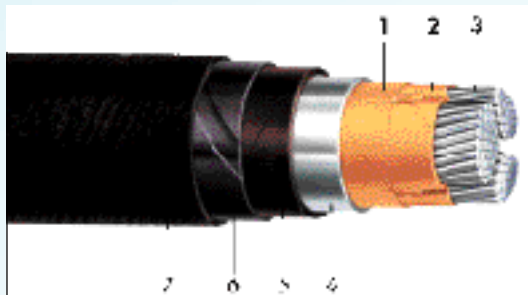
- Transparent oil barrier tubes
- Oil resistant blue filling tapes
- Spreader cap
- Silicone stress control elements
- Thick-wall heat-shrink insulating tubes
- Copper screen and armour transfer
- Outer protecting heat-shrink tube (resin outer protection on request)

Features

- No use of cable impregnation
- Universally applicable
- Suitable for all conductor materials and connectors
- Easy and quick installation
- Wide cross section range
- Safe stress control
- Immediately operational

Delivery

Standard packing unit: one piece for three phases without connectors.



Three-core belted cable

- 1 Belted insulation
- 2 Impregnated paper insulation
- 3 Stranded conductors
- 4 Lead alloy or aluminium sheath
- 5 Layers of impregnated paper
- 6 Steel armour
- 7 Outer sheath



Ordering Details

Type	Cross Section ¹⁾ mm ²	Min. Ø ²⁾ over insulation mm	Max. Ø of connector mm	Max. length of connector mm
CHMP3 belted to three-core polymeric cables				

3.6/6 (7.2) kV – 3.8/6.6 (7.2) kV

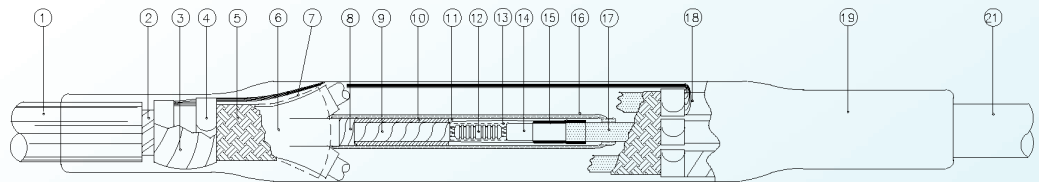
CHMP3	6/1	50 – 150	13.2	25	120
CHMP3	6/2	185 – 300	18.2	35	150

6/10 (12) kV – 6.35/11 (12) kV

CHMP3	10/1	35 – 70	13.2	20	110
CHMP3	10/2	95 – 150	18.2	25	140
CHMP3	10/3	150 – 240	20.9	32	150
CHMP3	10/4	300 – 400	24.2	40	170

8.7/15 (17.5) kV

CHMP3	15/1	25 – 50	13.2	18	110
CHMP3	15/2	70 – 150	18.2	25	140
CHMP3	15/3	150 – 240	20.9	35	150
CHMP3	15/4	300 – 400	24.2	40	170



CHMP3-1 belted to three single-core polymeric cables

3.6/6 (7.2) kV – 3.8/6.6 (7.2) kV

CHMP3-1	6/1	50 – 150	13.2	25	120
CHMP3-1	6/2	185 – 300	18.2	35	150

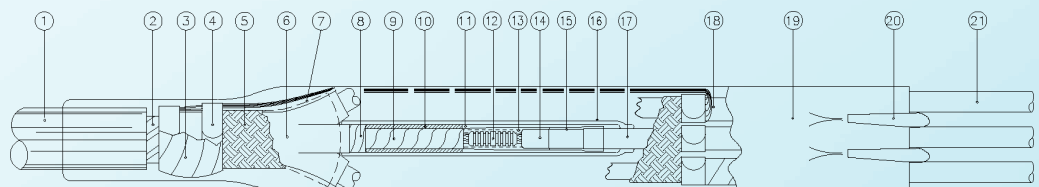
6/10 (12) kV – 6.35/11 (12) kV

CHMP3-1	10/1	35 – 70	13.2	20	110
CHMP3-1	10/2	95 – 150	18.2	25	140
CHMP3-1	10/3	150 – 240	20.9	32	150
CHMP3-1	10/4	300 – 400	24.2	40	170

8.7/15 (17.5) kV

CHMP3-1	15/1	25 – 50	13.2	18	110
CHMP3-1	15/2	70 – 150	18.2	25	140
CHMP3-1	15/3	150 – 240	20.9	35	150
CHMP3-1	15/4	300 – 400	24.2	40	170

Other cross-section ranges on request.



1	Belted cable	13	Blue filling tape
2	Armouring	14	Core insulation (polymeric)
3	Sealing mastic	15	Field control element FCE
4	Pressure spring or hose clip	16	Dual wall insulating tube SRMSL
5	Copper mesh tube	17	Outer semiconducting layer
6	Spreader cap	18	Wire or tape screen
7	Dual wall heat-shrink tube	19	Outer protecting tube
8	Blue filling tape	20	Branch-off clips
9	Core insulation (paper)	21	Polymeric cable
10	Transparent oil-barrier tube		
11	Insulating tube SRMS		
12	Connector		

All data in respect of cable allocations are approximate. Contact your CELLPACK representative for the correct choice of product.