



F3-type 300 kVDC rated High Voltage Cable

3-conductor, 300kVDC rated rubber insulated high voltage cable.

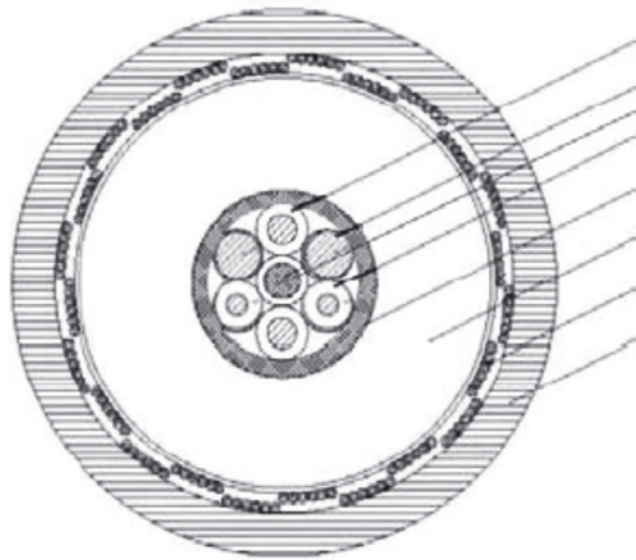
Features

- Extra-solid construction.
- Oil resistant, flame retardant Polyurethane jacket.

Description

This 4-conductor, rubber insulated high voltage cable's typical applications are:

- Industrial and scientific X-ray or electron beam equipment like electron microscopy.
- Low power, high voltage test- and measuring equipment.



Construction

- 1 Heating core
- 2 Bare conductor
- 3 Steel rope
- 4 Filling element
- 5 Bedding
- 6 High voltage insulation
- 7 Overall screen
- 8 Sheath system

Technical data

1 HEATING CORE	Ø : appr. 2.7 mm
Tinned copper strands, cross section 1.5 sqmm. Insulated with coloured fluorinated polymers. Polyester tape.	
2 BARE CONDUCTOR	Ø : appr. 1.5 mm
Tinned copper strands, cross section 1.5 sqmm.	
3 Steel Rope , fine stranded steel wire, semiconductive tape.	Ø : appr. 2.5 mm
4 FILLING ELEMENT	Ø : appr. 1.6 mm
Extruded with coloured fluorinated polymers.	
5 BEDDING	Ø : appr. 14 mm
Semiconductive rubber compound.	
6 HIGH VOLTAGE INSULATION	Ø : appr 43 mm
EPR-insulation, radial thickness: 14 mm.	
7 OVERALL SCREEN	
Easy strippable conductive rubber.	
Braid of tinned copper wires, coverage: appr. 90%.	
8 SHEATH SYSTEM	Ø : 51 mm Weight 2.8 kg/m
Outer layer: special Polyurethane Type M3, oil resistant, flame retardant, colour: black, matt.	

Without marking. All values are guidance, typical tolerance $\pm 5\%$