

A-2YOF(L)2YV (H 95)

Signalling cable, screened, longitudinally water-proof

DESIGN



- 1 | Copper conductor, round solid (RE)
- 2 | Core insulation (PE), cores stranded in layers. Core stranding filled by low capacitance filling compound.
- 3 | Inner covering
- 4 | Screen (plastic laminated aluminium foil, which is welded to the PE sheath)
- 5 | Sheath (PE black, with increased thickness, UV resistant)

TECHNICAL DATA



Standard:
DB AG No.: 416.0114



Rated voltage:
600 V (DC)
420 V (AC, RMS)



Test voltage:
Core-core, core-screen: 2,500 VAC



Temperature range:
laying temperature: min. -10 °C
operating temperature: -40°C up to +60°C



Bending radius (min.):
multiple bending: 20 x Ø of cable
single bend: 10 x Ø of cable



Core identification:
DB AG No.: 416.0116



Certificate:
VDE Germany

APPLICATION

For general use as a underground cable in signalling devices.

ELECTRICAL PARAMETERS

Conductor diameter	(mm)	1.4	1.8
Conductor resistance, max.	(Ω/km)	11.9	7.2
Insulation resistance, min.	(MΩ.km)	1,500	1,500
Mutual capacitance at 800 Hz, max.	(nF/km)	95	95

Number of cores x conductor diameter (mm)	Outer diameter (mm) ca.	Total weight (kg/km) ca.	Standard lengths/packing (m)
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10 x 1 x 1.4	19.0	360	1,000 D
14 x 1 x 1.4	21.0	450	1,000 D
20 x 1 x 1.4	23.0	590	1,000 D
30 x 1 x 1.4	27.0	840	1,000 D
50 x 1 x 1.4	34.0	1,340	1,000 D
10 x 1 x 1.8	23.0	530	1,000 D
14 x 1 x 1.8	24.0	660	1,000 D
20 x 1 x 1.8	27.0	890	1,000 D
30 x 1 x 1.8	33.0	1,300	1,000 D
50 x 1 x 1.8	41.0	2,070	1,000 D

Subject to technical changes.