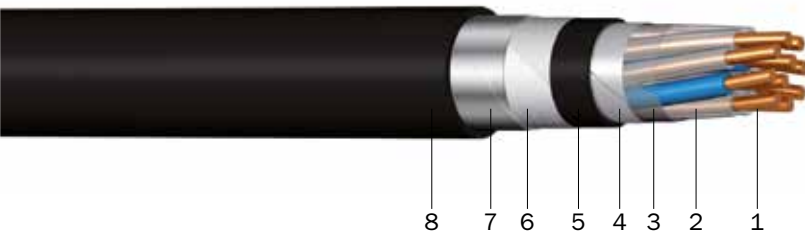


A-2YOF(L)2YB2Y (H 95)

Signalling cable, screened, with rodent protection, 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 | Inner sheath (PE black)
- 6 | Inner protective covering (plastic tape)
- 7 | Armour (galvanized steel tape)
- 8 | Sheath (PE black, 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: 15 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)
A-2YOF(L)2YB2Y (H 95)			
4 x 1 x 1.4	16.0	280	1,000 D
7 x 1 x 1.4	18.0	370	1,000 D
10 x 1 x 1.4	21.0	490	1,000 D
14 x 1 x 1.4	22.0	590	1,000 D
20 x 1 x 1.4	25.0	750	1,000 D
24 x 1 x 1.4	28.0	890	1,000 D
30 x 1 x 1.4	29.0	1,030	1,000 D
40 x 1 x 1.4	33.0	1,270	1,000 D

A-2YOF(L)2YB2Y (H 95)

Number of cores x conductor diameter (mm)	Outer diameter (mm) ca.	Total weight (kg/km) ca.	Standard lengths/packing (m)
A-2YOF(L)2YB2Y (H 95)			
50 x 1 x 1.4	36.0	1,590	1,000 D
60 x 1 x 1.4	39.0	1,840	1,000 D
80 x 1 x 1.4	43.0	2,330	1,000 D
4 x 1 x 1.8	18.0	360	1,000 D
7 x 1 x 1.8	20.0	500	1,000 D
10 x 1 x 1.8	25.0	680	1,000 D
14 x 1 x 1.8	26.0	830	1,000 D
20 x 1 x 1.8	30.0	1,090	1,000 D
24 x 1 x 1.8	34.0	1,300	1,000 D
30 x 1 x 1.8	36.0	1,530	1,000 D
40 x 1 x 1.8	39.0	1,910	1,000 D
50 x 1 x 1.8	43.0	2,360	1,000 D
60 x 1 x 1.8	46.0	2,780	500 D
80 x 1 x 1.8	51.0	3,570	500 D

Subject to technical changes.