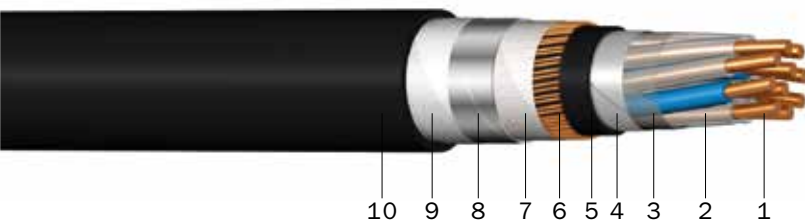


AJ-2YOF(L)2YDB2Y (H 95)

Signalling cable, screened, with inductive 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 | Concentric screen (copper wires)
- 7 | Inner protective covering (plastic tape)
- 8 | Armour (galvanized steel tape)
- 9 | Inner protective covering (plastic tape)
- 10 | 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

	(mm)		
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)	Reduction factor r_k at 16.7 Hz	Outer diameter (mm) ca.	Total weight (kg/km) ca.	Standard lengths/ packing (m)
AJ-2YOF(L)2YDB2Y (H 95)				
10 x 1 x 1.4	500	25.0	1,100	1,000 D
14 x 1 x 1.4	500	26.0	1,220	1,000 D
20 x 1 x 1.4	500	29.0	1,430	1,000 D
30 x 1 x 1.4	500	33.0	1,820	1,000 D
50 x 1 x 1.4	500	39.0	2,530	1,000 D
30 x 1 x 1.4	400	37.0	2,530	1,000 D

AJ-2YOF(L)2YDB2Y (H 95)

Number of cores x conductor diameter (mm)	Reduction factor r_k at 16.7 Hz	Outer diameter (mm) ca.	Total weight (kg/km) ca.	Standard lengths/ packing (m)
AJ-2YOF(L)2YDB2Y (H 95)				
50 x 1 x 1.4	400	43.0	3,480	1,000 D
10 x 1 x 1.8	500	29.0	1,340	1,000 D
14 x 1 x 1.8	500	30.0	1,560	1,000 D
20 x 1 x 1.8	500	33.0	1,880	1,000 D
30 x 1 x 1.8	500	39.0	2,460	1,000 D
50 x 1 x 1.8	500	47.0	3,560	500 D
30 x 1 x 1.8	400	43.0	3,380	1,000 D
50 x 1 x 1.8	400	50.0	4,600	500 D

Subject to technical changes.