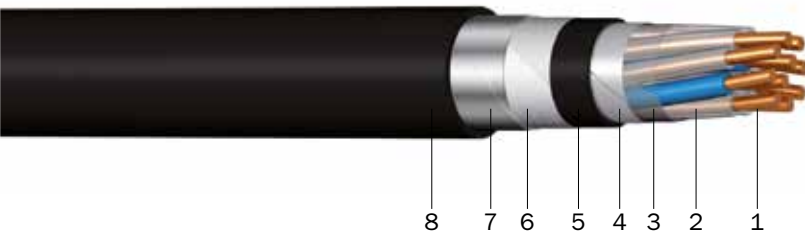


A-2YOF(L)2YB2Y (H 115/H 145)

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.: 416.0113
- 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)	0.9	1.4	1.8
Conductor diameter	(mm)	0.9	1.4	1.8
Conductor resistance, max.	(Ω/km)	28.9	11.9	7.2
Insulation resistance, min.	(MΩ.km)	1,500	1,500	1,500
Mutual capacitance at 800 Hz, max.	(nF/km)	115	145	145

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 115/H 145)			
2 x 1 x 0.9	13.0	160	1,000 D
4 x 1 x 0.9	13.0	170	1,000 D
7 x 1 x 0.9	14.0	220	1,000 D
10 x 1 x 0.9	17.0	290	1,000 D
14 x 1 x 0.9	17.0	300	1,000 D
20 x 1 x 0.9	18.0	380	1,000 D
24 x 1 x 0.9	20.0	460	1,000 D
30 x 1 x 0.9	20.0	490	1,000 D

A-2YOF(L)2YB2Y (H 115/H 145)

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 115/H 145)			
40 x 1 x 0.9	21.0	590	1,000 D
50 x 1 x 0.9	23.0	700	1,000 D
60 x 1 x 0.9	25.0	800	1,000 D
80 x 1 x 0.9	26.0	1,000	1,000 D
100 x 1 x 0.9	31.0	1,250	1,000 D
120 x 1 x 0.9	32.0	1,390	1,000 D
140 x 1 x 0.9	35.0	1,650	1,000 D
160 x 1 x 0.9	36.0	1,790	1,000 D
180 x 1 x 0.9	39.0	2,030	1,000 D
200 x 1 x 0.9	39.0	2,150	1,000 D
4 x 1 x 1.4	14.0	240	1,000 D
7 x 1 x 1.4	17.0	320	1,000 D
10 x 1 x 1.4	18.0	410	1,000 D
14 x 1 x 1.4	19.0	490	1,000 D
20 x 1 x 1.4	22.0	630	1,000 D
24 x 1 x 1.4	23.0	730	1,000 D
30 x 1 x 1.4	24.0	840	1,000 D
40 x 1 x 1.4	27.0	1,050	1,000 D
50 x 1 x 1.4	29.0	1,280	1,000 D
60 x 1 x 1.4	32.0	1,490	1,000 D
80 x 1 x 1.4	35.0	1,920	1,000 D
100 x 1 x 1.4	39.0	2,350	1,000 D
120 x 1 x 1.4	41.0	2,730	1,000 D
140 x 1 x 1.4	44.0	3,140	1,000 D
160 x 1 x 1.4	46.0	3,540	500 D
180 x 1 x 1.4	49.0	3,970	500 D
200 x 1 x 1.4	50.0	4,310	500 D
4 x 1 x 1.8	16.0	300	1,000 D
7 x 1 x 1.8	19.0	430	1,000 D
10 x 1 x 1.8	21.0	560	1,000 D
14 x 1 x 1.8	22.0	680	1,000 D
20 x 1 x 1.8	25.0	890	1,000 D
24 x 1 x 1.8	27.0	1,060	1,000 D
30 x 1 x 1.8	29.0	1,230	1,000 D
40 x 1 x 1.8	32.0	1,560	1,000 D
50 x 1 x 1.8	36.0	1,940	1,000 D
60 x 1 x 1.8	38.0	2,280	1,000 D
80 x 1 x 1.8	42.0	2,920	1,000 D
100 x 1 x 1.8	47.0	3,630	500 D
120 x 1 x 1.8	49.0	4,230	500 D
140 x 1 x 1.8	53.0	4,890	500 D
160 x 1 x 1.8	55.0	5,490	500 D
180 x 1 x 1.8	59.0	6,160	500 D
200 x 1 x 1.8	60.0	6,710	500 D

Subject to technical changes.