

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

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.: 416.0113



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: 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

	(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)2YV (H 115/H 145)			
2 x 1 x 0.9	11.0	100	1,000 D
4 x 1 x 0.9	11.0	100	1,000 D
7 x 1 x 0.9	12.0	140	1,000 D
10 x 1 x 0.9	15.0	190	1,000 D
14 x 1 x 0.9	15.0	210	1,000 D
20 x 1 x 0.9	16.0	270	1,000 D
24 x 1 x 0.9	18.0	340	1,000 D
30 x 1 x 0.9	18.0	370	1,000 D
40 x 1 x 0.9	19.0	460	1,000 D
50 x 1 x 0.9	21.0	560	1,000 D

A-2YOF(L)2YV (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)2YV (H 115/H 145)			
60 x 1 x 0.9	23.0	650	1,000 D
80 x 1 x 0.9	25.0	830	1,000 D
100 x 1 x 0.9	29.0	1,040	1,000 D
120 x 1 x 0.9	29.0	1,180	1,000 D
140 x 1 x 0.9	33.0	1,410	1,000 D
160 x 1 x 0.9	33.0	1,550	1,000 D
180 x 1 x 0.9	36.0	1,770	1,000 D
200 x 1 x 0.9	36.0	1,890	1,000 D
4 x 1 x 1.4	13.0	160	1,000 D
7 x 1 x 1.4	15.0	230	1,000 D
10 x 1 x 1.4	16.0	300	1,000 D
14 x 1 x 1.4	17.0	370	1,000 D
20 x 1 x 1.4	20.0	500	1,000 D
24 x 1 x 1.4	21.0	590	1,000 D
30 x 1 x 1.4	22.0	690	1,000 D
40 x 1 x 1.4	25.0	880	1,000 D
50 x 1 x 1.4	27.0	1,090	1,000 D
60 x 1 x 1.4	29.0	1,280	1,000 D
80 x 1 x 1.4	33.0	1,680	1,000 D
100 x 1 x 1.4	37.0	2,090	1,000 D
120 x 1 x 1.4	39.0	2,440	1,000 D
140 x 1 x 1.4	41.0	2,830	1,000 D
160 x 1 x 1.4	43.0	3,200	1,000 D
180 x 1 x 1.4	46.0	3,600	1,000 D
200 x 1 x 1.4	48.0	3,960	500 D
4 x 1 x 1.8	14.0	210	1,000 D
7 x 1 x 1.8	17.0	320	1,000 D
10 x 1 x 1.8	19.0	430	1,000 D
14 x 1 x 1.8	20.0	550	1,000 D
20 x 1 x 1.8	23.0	740	1,000 D
24 x 1 x 1.8	25.0	890	1,000 D
30 x 1 x 1.8	26.0	1,060	1,000 D
40 x 1 x 1.8	29.0	1,360	1,000 D
50 x 1 x 1.8	33.0	1,710	1,000 D
60 x 1 x 1.8	36.0	2,020	1,000 D
80 x 1 x 1.8	39.0	2,630	1,000 D
100 x 1 x 1.8	44.0	3,280	1,000 D
120 x 1 x 1.8	47.0	3,860	500 D
140 x 1 x 1.8	51.0	4,520	500 D
160 x 1 x 1.8	53.0	5,110	500 D
180 x 1 x 1.8	57.0	5,750	500 D
200 x 1 x 1.8	58.0	6,290	500 D

Subject to technical changes.