

RAILWAY SIGNALLING AND TELECOMMUNICATIONS CABLES

A-2YOF(L)2YB2Y (H115/H145)

Signalling cable, screened, longitudinally
water-proof



TECHNICAL DATA



Standard
Adapted to DB AG No.: 416.0113



Certificate
VDE Germany



Test Voltage
2500 VAC



Rated Voltage
600 V (DC)
420 V (AC, RMS)



Bending radius (min.)
20 x Ø of cable



Core identification
DB AG No.: 416.0116



Temperature range
Laying temperature: min. -10°C
Operating temperature: -40°C up to 60°C

DESIGN



- 1 Copper conductor, round solid (RE)
- 2 Core insulation (PE), core stranded in layer. Core stranding filled by low capacitance filling compound
- 3 Inner covering (plastic tape)
- 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 Armouring (galvanized steel tape)
- 8 Sheath (PE black, UV-resistant)

Electrical parameters

Conductor diameter	mm	0.9	1.4	1.8
Conductor resistance, max. at 20 °C	Ω/km	28.9	11.9	7.2
Insulation resistance, min. at 20 °C	MΩ/km	1500	1500	1500
Mutual capacitance (approx. value), at 800 Hz	nF/km	115	145	145

Number of cores x conductor diameter	Outer diameter appr. (mm)	Total weight appr. (kg/km)
2 x 0.9	10.0	160
4 x 0.9	10.0	170
4 x 1.4	11.0	240
4 x 1.8	13.0	300
7 x 0.9	11.0	220
7 x 1.4	14.0	320
7 x 1.8	16.0	430
8 x 2.25	21.1	684
10 x 0.9	14.0	290
10 x 1.4	15.0	410
10 x 1.8	18.0	560
14 x 0.9	14.0	300
14 x 1.4	16.0	490
14 x 1.8	19.0	680
20 x 0.9	15.0	380
20 x 1.4	19.0	630
20 x 1.8	22.0	890
24 x 0.9	17.0	460
24 x 1.4	20.0	730
24 x 1.8	24.0	1060
30 x 0.9	17.0	490
30 x 1.4	21.0	840
30 x 1.8	26.0	1230
40 x 0.9	18.0	590
40 x 1.4	24.0	1050
40 x 1.8	28.0	1560
50 x 0.9	20.0	700
50 x 1.4	26.0	1280
50 x 1.8	32.0	1940
60 x 0.9	22.0	800
60 x 1.4	28.0	1490
60 x 1.8	34.0	2280
80 x 0.9	23.0	1000
80 x 1.4	31.0	1920
80 x 1.8	38.0	2920
100 x 0.9	27.0	1250
100 x 1.4	35.0	2350
100 x 1.8	43.0	3630



Number of cores x conductor diameter	Outer diameter appr. (mm)	Total weight appr. (kg/km)
120 x 0.9	28.0	1390
120 x 1.4	37.0	2730
140 x 0.9	31.0	1650
140 x 1.4	40.0	3140
160 x 0.9	32.0	1790
160 x 1.4	42.0	3540
180 x 0.9	35.0	2030
180 x 1.4	45.0	3970
200 x 0.9	35.0	2150

CONTACT PERSON

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