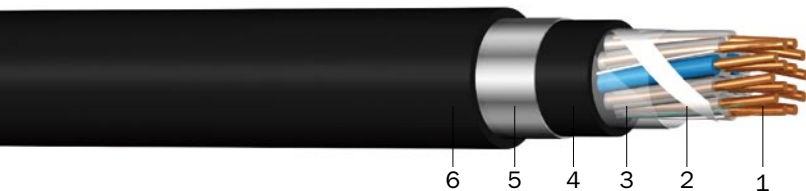


A-2Y2YB2Y

Signalling cable, unshielded, armoured

DESIGN



- 1 | Copper conductor, round solid (RE)
- 2 | Core insulation (PE), cores stranded in layers
- 3 | Inner covering (plastic tape)
- 4 | Sheath (PE black)
- 5 | Armouring (galvanized steel tape)
- 6 | Sheath (PE black, UV-resistant)

TECHNICAL DATA


Standard:

Dt. Bundesbahn-Standard
Dlk 1.1013.107y, Dlk 1.013.108y,
Dlk 1.013.109y


Rated voltage:

max. 300 Veff


Test voltage:

core/core: 2.5 kV/50 Hz


Temperature range:

laying temperature: min. -10 °C
operating temperature: -40 °C up to +60 °C


Bending radius (min.):

10 x Ø of cable


Core identification:

colour-less with tracer core (blue in each layer)

APPLICATION

Safety and control cable for fixed installation in railway installations.

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)	10,000	10,000	10,000
Mutual capacitance, max.	(nF/km)	115	145	145

Number of cores x nominal diameter (mm)	Outer diameter (mm) ca.	Total weight (kg/km) ca.	Standard lengths/packing (m)
A-2Y2YB2Y			
2 x 1 x 0.9	9.2	100	500 D, 1,000 D
4 x 1 x 0.9	9.9	125	500 D, 1,000 D
7 x 1 x 0.9	11.0	160	500 D, 1,000 D
10 x 1 x 0.9	12.7	205	500 D, 1,000 D
14 x 1 x 0.9	13.4	250	500 D, 1,000 D
20 x 1 x 0.9	14.5	310	500 D, 1,000 D
24 x 1 x 0.9	16.2	360	500 D, 1,000 D
30 x 1 x 0.9	16.9	415	500 D, 1,000 D
40 x 1 x 0.9	18.0	505	500 D, 1,000 D
50 x 1 x 0.9	20.3	610	500 D, 1,000 D



A-2Y2YB2Y

Number of cores x nominal diameter (mm)	Outer diameter (mm) ca.	Total weight (kg/km) ca.	Standard lengths/packing (m)
A-2Y2YB2Y			
60 x 1 x 0.9	21.4	700	500 D, 1,000 D
80 x 1 x 0.9	23.9	885	500 D, 1,000 D
100 x 1 x 0.9	26.8	1,070	500 D, 1,000 D
120 x 1 x 0.9	27.9	1,240	500 D, 1,000 D
140 x 1 x 0.9	33.8	1,440	500 D, 1,000 D
4 x 1 x 1.4	12.7	205	500 D, 1,000 D
7 x 1 x 1.4	14.4	285	500 D, 1,000 D
10 x 1 x 1.4	17.3	380	500 D, 1,000 D
14 x 1 x 1.4	18.5	475	500 D, 1,000 D
20 x 1 x 1.4	20.2	610	500 D, 1,000 D
24 x 1 x 1.4	23.1	725	500 D, 1,000 D
30 x 1 x 1.4	23.7	845	500 D, 1,000 D
40 x 1 x 1.4	26.0	1,030	500 D, 1,000 D
50 x 1 x 1.4	29.6	1,310	500 D, 1,000 D
60 x 1 x 1.4	32.2	1,550	500 D, 1,000 D
4 x 1 x 1.8	13.9	260	500 D, 1,000 D
7 x 1 x 1.8	15.9	375	500 D, 1,000 D
10 x 1 x 1.8	19.3	510	500 D, 1,000 D
14 x 1 x 1.8	20.7	650	500 D, 1,000 D
20 x 1 x 1.8	22.7	850	500 D, 1,000 D
24 x 1 x 1.8	26.1	1,020	500 D, 1,000 D
30 x 1 x 1.8	27.7	1,220	500 D, 1,000 D
40 x 1 x 1.8	29.7	1,540	500 D, 1,000 D

Note: in addition the product groups A-2Y2YV, AJ-2Y2YDB2Y, A-2Y(L)2YB2Y and AJ-2Y(L)2YDB2Y can be offered. Subject to technical changes.