

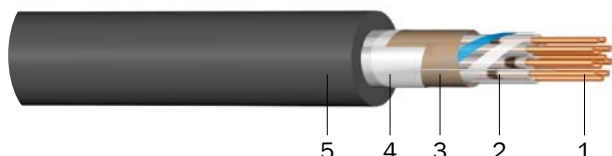
A-2Y(L)2Y...St III Bd

Underground cable, screened

Standard: DIN VDE 0816

Application:

Suitable for telecommunication and data networks installed underground, in ducts or installation tubes.



Construction:

- 1 Copper conductor, single wire
- 2 Insulation (PE), cores stranded to quads, quads stranded in groups
- 3 Taping (plastic tape)
- 4 Screen (copolymer coated Al-tape, bonded to the PE-sheath)
- 5 Sheath (PE black, UV-resistant)



Operating voltage: max. 225 Vss



Test voltage: A/A 500 Veff
A/S 2000 Veff



Temperature range:
During installation: min. -20 °C
Operating temperature: fixed -20 °C to +70 °C
moved -20 °C to +50 °C



Bending radius (min.): 10 x Ø of the cable



Core identification: Colour code, black ring marking (DIN VDE)



Certification mark: VDE Germany

Electrical data

Nominal cross section	(mm)	0.6	0.8
Loop resistance max.	(Ω/km)	130	73.2
Insulation resistance, min.	(MΩ.km)	1,500	1,500
Mutual capacitance max. at 800 Hz	(nF/km)	52	55
Capacitance imbalance K_1 , max. at 800 Hz (98 % of the values)	(pF/300 m)	400	400
Capacitance imbalance K_1 , max. at 800 Hz (100 % of the values)	(pF/300 m)	800	800
Capacitance imbalance K_9-K_{12} , max. at 800 Hz (98 % of the values)	(pF/300 m)	100	100
Capacitance imbalance K_9-K_{12} , max. at 800 Hz (100 % of the values)	(pF/300 m)	300	300
Capacitance imbalance E_1-E_2 , max. at 800 Hz	(pF/300 m)	800	800

Number of circuits x nominal cross section (mm)	Outer diameter (mm) appr.	Cu-value (kg/km)	Total weight (kg/km) appr.	Standard lengths/packing (m)	Price (EUR/km)
A-2Y(L)2Y...St III Bd					
2 x 2 x 0.6	9.0	13	80	500 T, 1000 T	1 830,60
6 x 2 x 0.6	13.0	36	140	500 T, 1000 T	2 720,20
10 x 2 x 0.6	14.0	59	190	500 T, 1000 T	4 175,20
20 x 2 x 0.6	17.0	115	310	500 T, 1000 T	5 120,10
30 x 2 x 0.6	20.0	172	430	500 T, 1000 T	6 456,60
40 x 2 x 0.6	22.0	228	545	500 T, 1000 T	7 765,20
50 x 2 x 0.6	24.0	285	660	500 T, 1000 T	10 907,40
70 x 2 x 0.6	27.0	398	895	500 T, 1000 T	11 339,50

A-2Y(L)2Y...St III Bd

Number of circuits x nominal cross section (mm)	Outer diameter (mm) appr.	Cu-value (kg/km)	Total weight (kg/km) appr.	Standard lengths/packing (m)	Price (EUR/km)
A-2Y(L)2Y...St III Bd					
100 x 2 x 0.6	31.0	568	1,225	500 T, 1000 T	14 941,50
150 x 2 x 0.6	37.0	852	1,780	500 T, 1000 T	20 678,30
200 x 2 x 0.6	42.0	1,135	2,315	500 T, 1000 T	26 601,00
2 x 2 x 0.8	10.0	21	100	500 T, 1000 T	2 301,00
6 x 2 x 0.8	14.0	62	230	500 T, 1000 T	4 042,90
10 x 2 x 0.8	16.0	103	330	500 T, 1000 T	4 495,40
20 x 2 x 0.8	20.0	203	560	500 T, 1000 T	6 765,00
30 x 2 x 0.8	23.0	304	740	500 T, 1000 T	8 749,70
40 x 2 x 0.8	27.0	404	900	500 T, 1000 T	10 536,90
50 x 2 x 0.8	29.0	505	1,100	500 T, 1000 T	12 501,80
70 x 2 x 0.8	33.0	706	1,420	500 T, 1000 T	15 886,30
100 x 2 x 0.8	39.0	1,008	1,985	500 T, 1000 T	20 994,70
150 x 2 x 0.8	47.0	1,512	2,935	500 T, 1000 T	29 234,40
200 x 2 x 0.8	53.0	2,015	3,825	500 T, 1000 T	38 225,20

Subject to technical changes. All figures are therefore without guarantee.