

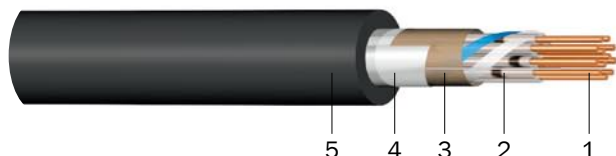
A-2Y(L)2Y...St III Bd

Underground cable, screened

Standard: VDE 0816

Usage:

The cables are suitable for external telecommunications and data networks.



Construction:

- 1 Copper conductor, round solid (RE)
- 2 Core insulation (PE), cores star quaded and quads stranded in groups
- 3 Inner covering (plastic tape)
- 4 Screen (copolymer laminated aluminium tape which is welded to the PE sheath)
- 5 Sheath (PE black, UV-resistant)



Rated voltage:

225 V (peak value)
150 V (peak value) for
Ø 0.4 mm



Test voltage:

core/core 500 Veff
(Ø 0.6; 0.8)
core/screen 2000 Veff



Temperature range:

laying temperature: min. -20 °C
operating temperature: -40 °C to +70 °C



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



Core identification:

coloured (VDE 0816)



Test certificate:

VDE Germany

Electrical parameters

	(mm)	0.4	0.6	0.8
Conductor diameter	(mm)	0.4	0.6	0.8
Loop resistance, max.	(Ω/km)	300	130	73.2
Insulation resistance, min.	(MΩ.km)	5,000	5,000	5,000
Mutual capacitance, (100 % of values)	(nF/km)	50	52	55
Mutual capacitance, (95 % of values)	(nF/km)	48	50	53
Mutual capacitance, (80 % of values)	(nF/km)	-	48	50
Capacitance unbalance K_1 , (100 % of values)	(pF/300 m)	800	800	800
Capacitance unbalance K_1 , (98 % of values)	(pF/300 m)	400	400	400
Capacitance unbalance K_9 , (100 % of values)	(pF/300 m)	300	300	300
Capacitance unbalance K_9 , (98 % of values)	(pF/300 m)	100	100	100

Number of pairs x nominal diameter (mm)	Outer diameter (mm) ca.	Metal weight (kg/km)	Total weight (kg/km) ca.	Standard lengths/ packing (m)
A-2Y(L)2Y...Bd				
6 x 2 x 0.4	9.7	13	85	2000 T
10 x 2 x 0.4	11.0	26	110	2000 T
20 x 2 x 0.4	13.4	51	163	2000 T
30 x 2 x 0.4	13.7	77	197	2000 T
40 x 2 x 0.4	15.3	103	247	2000 T
50 x 2 x 0.4	16.2	128	292	2000 T
70 x 2 x 0.4	19.1	180	378	2000 T
100 x 2 x 0.4	20.6	257	492	1000 T

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

Number of pairs x nominal diameter (mm)	Outer diameter (mm) ca.	Metal weight (kg/km)	Total weight (kg/km) ca.	Standard lengths/ packing (m)
A-2Y(L)2Y...Bd				
150 x 2 x 0.4	24.1	397	707	1000 T
200 x 2 x 0.4	28.7	533	924	2000 T
6 x 2 x 0.6	10.8	13	112	2000 T
10 x 2 x 0.6	12.3	35	152	2000 T
20 x 2 x 0.6	14.8	58	241	2000 T
30 x 2 x 0.6	16.5	116	322	2000 T
40 x 2 x 0.6	19.6	172	418	2000 T
50 x 2 x 0.6	21.5	229	501	1000 T
70 x 2 x 0.6	23.0	286	648	1000 T
100 x 2 x 0.6	25.9	402	889	1000 T
150 x 2 x 0.6	30.3	568	1,297	1000 T
200 x 2 x 0.6	37.0	850	1,760	1000 T
300 x 2 x 0.6	43.5	1,130	2,530	1000 T
2 x 2 x 0.8	8.8	21	80	2000 T
6 x 2 x 0.8	13.7	62	174	2000 T
10 x 2 x 0.8	15.0	102	235	2000 T
20 x 2 x 0.8	18.9	204	387	2000 T
30 x 2 x 0.8	21.5	304	533	1000 T
40 x 2 x 0.8	24.8	405	696	1000 T
50 x 2 x 0.8	26.7	506	835	1000 T
70 x 2 x 0.8	29.8	710	1,108	1000 T
100 x 2 x 0.8	34.5	1,008	1,541	1000 T
150 x 2 x 0.8	46.6	1,510	2,382	1000 T
200 x 2 x 0.8	44.3	2,010	2,930	1000 T