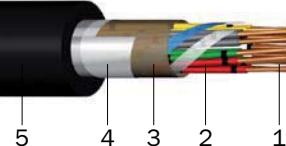


A-2Y(L)2Y...Bd

Underground cable, screened

DESIGN



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

TECHNICAL DATA



Standard:
DIN VDE 0816



Rated voltage:
225 V_{eff} (peak value)
150 V (peak value) for Ø 0.4 mm



Test voltage:
core/core: 500 V/50 Hz
core/screen: 2 kV/50 Hz



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



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



Core identification:
DIN VDE 0816



Certificate:
VDE Germany

APPLICATION

Underground cable for use in telecommunications installations and related installations. Suitable for installation underground, in cable ducts etc.

ELECTRICAL PARAMETERS

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, at 800 Hz (100 % of values)	(nF/km)	50	52	55
Mutual capacitance, at 800 Hz (95 % of values)	(nF/km)	48	50	53
Mutual capacitance, at 800 Hz (80 % of values)	(nF/km)	—	48	50
Capacitance unbalance K ₁ , at 800 Hz (100 % of values)	(pF/300 m)	800	800	800
Capacitance unbalance K ₁ , at 800 Hz (98 % of values)	(pF/300 m)	400	400	400
Capacitance unbalance K ₉ , at 800 Hz (100 % of values)	(pF/300 m)	300	300	300
Capacitance unbalance K ₉ , at 800 Hz (98 % of values)	(pF/300 m)	100	100	100

Number of pairs x nominal diameter (mm)	Outer diameter (mm) ca.	Total weight (kg/km) ca.	Standard lengths/packing (m)
A-2Y(L)2Y...Bd			
6 x 2 x 0.4	9.7	85	2,000 D
10 x 2 x 0.4	11.0	110	2,000 D

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

Number of pairs x nominal diameter (mm)	Outer diameter (mm) ca.	Total weight (kg/km) ca.	Standard lengths/packing (m)
A-2Y(L)2Y...Bd			
20 x 2 x 0.4	13.4	165	2,000 D
30 x 2 x 0.4	13.7	200	2,000 D
40 x 2 x 0.4	15.3	250	2,000 D
50 x 2 x 0.4	16.2	295	2,000 D
70 x 2 x 0.4	19.1	380	2,000 D
100 x 2 x 0.4	20.6	495	1,000 D
150 x 2 x 0.4	24.1	710	1,000 D
200 x 2 x 0.4	28.7	925	2,000 D
2 x 2 x 0.6	8.8	85	2,000 D
6 x 2 x 0.6	10.8	115	2,000 D
10 x 2 x 0.6	12.3	155	2,000 D
20 x 2 x 0.6	14.8	245	2,000 D
30 x 2 x 0.6	16.5	325	2,000 D
40 x 2 x 0.6	19.6	420	2,000 D
50 x 2 x 0.6	21.5	505	1,000 D
70 x 2 x 0.6	23.0	650	1,000 D
100 x 2 x 0.6	25.9	890	1,000 D
150 x 2 x 0.6	30.3	1,300	1,000 D
200 x 2 x 0.6	37.0	1,760	1,000 D
300 x 2 x 0.6	43.5	2,530	1,000 D
2 x 2 x 0.8	9.8	100	2,000 D
6 x 2 x 0.8	13.7	175	2,000 D
10 x 2 x 0.8	15.0	235	2,000 D
20 x 2 x 0.8	18.9	390	2,000 D
30 x 2 x 0.8	21.5	535	1,000 D
40 x 2 x 0.8	24.8	700	1,000 D
50 x 2 x 0.8	26.7	835	1,000 D
70 x 2 x 0.8	29.8	1,110	1,000 D
100 x 2 x 0.8	34.5	1,550	1,000 D
150 x 2 x 0.8	46.6	2,390	1,000 D
200 x 2 x 0.8	44.3	2,930	1,000 D

Subject to technical changes.