

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

Underground cable, screened

DESIGN



- 1 | Copper conductor, round solid (RE)
- 2 | Core insulation (PE), cores star quadded 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)

APPLICATION

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

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

ELECTRICAL PARAMETERS

		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, 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.