

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

Underground cable, screened, longitudinally water-proof

### DESIGN



- 1 | Copper conductor, round solid (RE)
- 2 | Core insulation (foam skin PE), cores star quaded and quads stranded in groups, core stranding petrol jelly filled
- 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<sub>eff</sub> (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 water, cable ducts etc.

### 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)	1,500	1,500	1,500
Mutual capacitance, max. at 800 Hz (100 % of values)	(nF/km)	50	52	55
Mutual capacitance, max. at 800 Hz (95 % of values)	(nF/km)	48	50	53
Mutual capacitance, max. at 800 Hz (80 % of values)	(nF/km)	–	48	50
Capacitance unbalance K <sub>1</sub> , at 800 Hz (100 % of values)	(pF/300 m)	800	800	800
Capacitance unbalance K <sub>1</sub> , at 800 Hz (98 % of values)	(pF/300 m)	400	400	400
Capacitance unbalance K <sub>9</sub> , at 800 Hz (100 % of values)	(pF/300 m)	300	300	300
Capacitance unbalance K <sub>9</sub> , 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-2YF(L)2Y...Bd			
10 x 2 x 0.4	11.5	130	2,000 D
20 x 2 x 0.4	14.2	205	2,000 D



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

Number of pairs x nominal diameter (mm)	Outer diameter (mm) ca.	Total weight (kg/km) ca.	Standard lengths/packing (m)
<b>A-2YF(L)2Y...Bd</b>			
30 x 2 x 0.4	14.5	235	2,000 D
40 x 2 x 0.4	16.3	300	2,000 D
50 x 2 x 0.4	17.3	350	2,000 D
70 x 2 x 0.4	20.5	475	1,000 D
100 x 2 x 0.4	22.1	600	1,000 D
150 x 2 x 0.4	25.9	850	1,000 D
200 x 2 x 0.4	30.9	1,170	1,000 D
2 x 2 x 0.6	8.0	80	2,000 D
6 x 2 x 0.6	12.0	140	2,000 D
10 x 2 x 0.6	13.5	190	2,000 D
20 x 2 x 0.6	16.5	310	2,000 D
30 x 2 x 0.6	19.5	430	2,000 D
40 x 2 x 0.6	21.5	545	1,000 D
50 x 2 x 0.6	23.5	660	1,000 D
70 x 2 x 0.6	27.0	895	1,000 D
100 x 2 x 0.6	31.5	1,230	1,000 D
150 x 2 x 0.6	36.3	1,730	1,000 D
200 x 2 x 0.6	40.3	2,210	1,000 D
2 x 2 x 0.8	9.0	105	2,000 D
6 x 2 x 0.8	13.5	230	2,000 D
10 x 2 x 0.8	15.5	330	2,000 D
20 x 2 x 0.8	22.0	560	1,000 D
30 x 2 x 0.8	25.0	740	1,000 D
40 x 2 x 0.8	27.0	900	1,000 D
50 x 2 x 0.8	30.0	1,100	1,000 D
70 x 2 x 0.8	33.0	1,420	1,000 D
100 x 2 x 0.8	41.0	2,000	1,000 D
150 x 2 x 0.8	52.6	3,280	500 D
200 x 2 x 0.8	60.4	4,360	500 D

Subject to technical changes.