

A-2Y(L)2Y Bd

Telephone outdoor cables, laminated sheath, unfilled



Cable structure

- Copper solid core $\varnothing$ 0,6 and 0,8 mm, PE (2Y) core insulation, thickness according to DIN VDE 0816
- Color identification of quads marked with black rings, 4 cores twisted to a star quad
- 5 quads stranded to a sub-units, each 5 or 10 sub-units stranded to main unit and sub-units and units stranded to cable core
- Cable tube wrapped with several laminated tapes
- (L)2Y sheath is laminated – inner wrapping of plastic Al tape spliced with PE(2Y) sheath
- PE sheath color black, continuous meter marking with telephone-receiver sign, color white

Technical data

- According to DIN VDE 0816
- **Temperature range** during installation -20 °C to +50 °C
fixed installation to +70 °C
- **Minimum bending radius** approx. 10 × cable diameter
- **Radiation resistance** up to 80×10^6 cJ/kg (up to 80 Mrad)

Electrical characteristics at 20 °C

Core $\varnothing$	Loop resistance (loop) max Ω /km	Insulation resistance min. G Ω /km	Mutual capacitance nF/km	Test voltage a.c. Uef (V) core-core/screening	Nominal voltage max (V)
0,6	130	5	52	500*/2000	225
0,8	73,2	5	55	500*/2000	225

Application

These outer subscriber telephone cables are installed as a telecommunication connection cables for connecting switchboards etc. This cable with PE-sheath is not allowed to install in fire and hazardous areas without additional protection. The cable is ideal for direct burial into earth, into cable ducts, conduits as well as for inner installations. The cable structure guarantees long-term watertightness and moisture proofness. The black sheath is resistant to UV radiation.

Note

CE = the product is conformed with the EC Low-Voltage Directive 73/23/EEC.

Conforms to RoHS.

* For local cables with more than 100 pairs the test conductor/conductor is not applied.

Part No.	Number of cores x core cross section [mm²]	Approx. outer $\varnothing$ [mm]	Cooper weight [kg/km]	Approx. cable weight [kg/km]
0834100	2×2×0,6	8,0	11	82
0834101	4×2×0,6	10,0	23	127
0834102	6×2×0,6	11,5	34	152
0834103	10×2×0,6	12,5	57	171
0834104	20×2×0,6	15,5	113	268
0834105	30×2×0,6	17,5	170	358
0834106	40×2×0,6	19,5	226	458
0834107	50×2×0,6	21,0	283	531
0834108	70×2×0,6	24,5	396	712
0834109	100×2×0,6	28,0	565	950
0834110	150×2×0,6	33,0	848	1348
0834111	200×2×0,6	37,0	1131	1758
0834112	250×2×0,6	40,5	1414	2157
0834113	300×2×0,6	44,0	1696	2533
0834114	350×2×0,6	47,5	1979	2954
0834115	400×2×0,6	50,0	2262	3342

Part No.	Number of cores x core cross section [mm²]	Approx. outer $\varnothing$ [mm]	Cooper weight [kg/km]	Approx. cable weight [kg/km]
0834130	2×2×0,8	11,0	20	102
0834131	4×2×0,8	12,0	40	158
0834132	6×2×0,8	13,0	60	179
0834133	10×2×0,8	14,5	101	241
0834134	20×2×0,8	18,0	201	393
0834135	30×2×0,8	21,0	302	540
0834136	40×2×0,8	23,0	402	675
0834137	50×2×0,8	25,5	503	842
0834138	70×2×0,8	29,0	704	1105
0834139	100×2×0,8	34,0	1005	1524
0834140	150×2×0,8	40,0	1508	2208
0834141	200×2×0,8	46,5	2011	2915
0834142	250×2×0,8	51,0	2514	3575
0834143	300×2×0,8	53,0	3016	4232
0834144	350×2×0,8	56,5	3519	4940
0834145	400×2×0,8	60,0	4022	5565
0834146	500×2×0,8	68,0	5027	6955
0834147	600×2×0,8	73,0	6032	8240