A-2YF(L)2Y Bd

Telephone outdoor cables, laminated sheath, filled

Cable structure

- Cu solid core ∅ 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
- Inner cable tube continuosly filled with petrol-jelly
- Cable tube wrapped with several plastic 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-reciever 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 ∅	Loop resistance (loop) max Ω/km	Insulation resistance min.GΩ/km	Mutual capacitance nF/km	Test voltage a.c. Uef (V) core-core/screening	Nominal voltage max (V)
0,6	130	1,5	52	500*/2000	225
0,8	73,2	1,5	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 burrial into earth, into cable ducts, conduits as well as for inner installations. The cable structure continuosly filled with viscous compound 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 ∅ [mm]	Cooper weight [kg/km]	Approx. cable weight [kg/km]
0834007	2×2×0,6	7,5	11	80
0834008	4×2×0,6	9,0	23	140
0834009	6×2×0,6	12,0	34	150
0834010	10×2×0,6	13,5	57	190
0834011	20×2×0,6	16,0	113	310
0834012	30×2×0,6	19,0	170	430
0834013	40×2×0,6	20,5	226	545
0834014	50×2×0,6	23,0	283	660
0834015	70×2×0,6	26,0	396	895
0834016	100×2×0,6	31,5	565	1230
0834017	150×2×0,6	37,5	848	1780
0834018	200×2×0,6	42,5	1131	2320
0834036	250×2×0,6	47,5	1414	2910
0834037	300×2×0,6	51,5	1696	3490
0834038	350×2×0,6	55,0	1979	3970
0834039	400×2×0,6	60,5	2262	4480
0834040	500×2×0,6	66,0	2827	5460

Part No.	Number of cores x core cross section [mm²]	Approx. outer ∅ [mm]	Cooper weight [kg/km]	Approx. cable weight [kg/km]
0834029	2×2×0,8	8,5	20	100
0834030	4×2×0,8	10,0	40	180
0834019	6×2×0,8	12,5	60	190
0834020	10×2×0,8	15,0	101	280
0834021	20×2×0,8	19,0	201	480
0834022	30×2×0,8	23,0	302	670
0834023	40×2×0,8	26,0	402	860
0834024	50×2×0,8	29,0	503	1060
0834025	70×2×0,8	33,0	704	1420
0834026	100×2×0,8	39,0	1005	1980
0834027	150×2×0.8	47,0	1508	2940
0834028	200×2×0,8	51,0	2011	3780
0834031	250×2×0,8	58,0	2514	4660
0834032	300×2×0,8	62,5	3016	5570
0834033	350×2×0,8	68,0	3519	6750
0834034	400×2×0,8	73,0	4022	7630
0834035	500×2×0,8	81,5	5027	9540