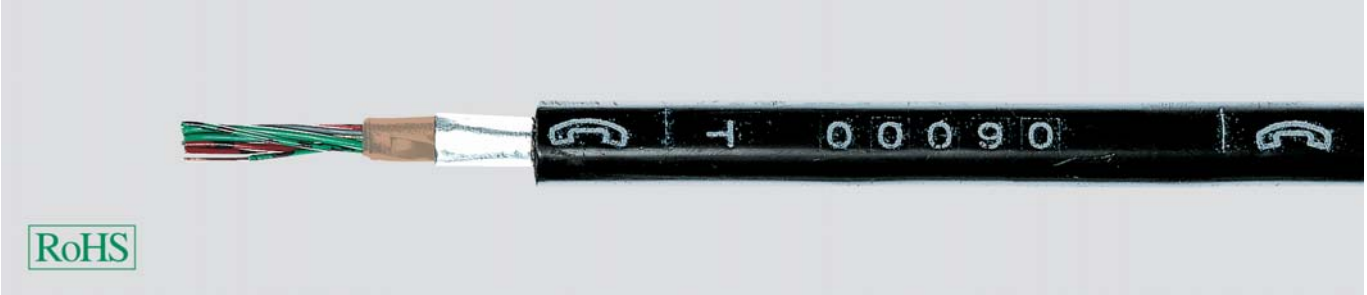
A-2YF(L)2Y Bd telephone-outdoor cable, according to VDE 0816, laminated sheath, filled cable core, longitudinally water-proof



Technical data

- According to DIN VDE 0816
- **Temperature range**
  flexible -20°C to +50°C
  fixed installation to +70°C
- **Loop resistance** at 20°C
  0,6 mm = max. 130 Ohm/km
  0,8 mm = max. 73,2 Ohm/km
- **Operating voltage** (peak voltage)
  max. 225 V
- **Test voltage**
  core/core U eff. 500 V[2)]
  core/screen U eff. 2000 V
- **Insulation resistance**
  min. 1,5 GOhm x km
- **Line attenuation**
  of side circuits at 800 Hz
  0,6 mm = 1,04 dB/km
  0,8 mm = 0,78 dB/km
- **Impedance** of side circuites
  at 800 Hz
  0,6 mm = 720 Ohm
  0,8 mm = 520 Ohm
- **Minimum bending radius**
  approx. 10x cable Ø
- **Radiation resistance**
  up to 80x106 cJ/kg (up to 80 Mrad)
- **Caloric load values**
  see Technical Informations

Cable construction

- Bare copper conductor, solid, 0,6 and 0,8 mm Ø
- PE (2Y) core insulation, wall-thickness as per DIN VDE 0816 table 4
- Core identification of quads marked with black rings
- 4 cores twisted to a star quad
- 5 star quads stranded to sub units, each 5 or 10 sub units stranded to main units and the sub or main units stranded to cable core
- Core cavities continuously filled with petrol-jelly
- Core wrapping with paper tape
- Outer sheath, as laminated sheath (L)2Y, PE-coated aluminium tape spliced with PE (2Y) sheath
- PE-outer sheath colour black
- Sheath marking continuously with telephone-receiver, meter marking in white colour

Properties

- These cables are not allowed for purposes of high current and power installation. These cables with outer PE-jacket are also not permitted for fire and explosive areas without any protective measure.

Mutual capacitance at 800 Hz
of all values100%
0,6 mm - max. 52 nF/km
0,8 mm - max. 55 nF/km
of all values 95%
0,6 mm - max. 50[1)] nF/km
0,8 mm - max. 53[1)] nF/km
of all values 80%
0,6 mm - max. 48 nF/km
0,8 mm - max. 50 nF/km

Capacitance unbalances at 800 Hz
of all values k_1 100% - max. 800[1)] pF/300 m
of all values k_1 98% - max. 400 pF/300 m
of all values $k_{9\text{-}12}$ 100%-max. 300[1)] pF/300 m
of all values $k_{9\text{-}12}$ 98% - max. 100 pF/300 m

Note

- [1)] But at least for 2 quads.
- [2)] Local cables with more than 100 pairs the test conductor/conductor is emitted.
- Conductor Ø 0,4 mm on request.

Application

These external subscriber telephone cables are installed as telecommunication connection cable for connecting the telephone extension to the telephone exchange for transmitting signals.
These subscriber connecting cables are suitable for laying in under ground, in cable ducts and cable conduits.
According to DIN VDE 0800 part 1, these cables are allowed in all types of installation plants. The cavities of the cable core, filled continuously with viscous compound (F). Both sides of PE-copolymere coated aluminium type (L), which is spliced with the outer PE-sheath, ensures a barrier against water vapour and **crosswise and longitudinal water tightness**. Black coloured PE-sheath is **UV-resistant**. The Polyethelene material (PE 2Y) is **halogen-free**.
CE = The product is conformed with the EC Low-Voltage Directive 73/23/EEC and 93/68/EEC.

Part No.	No.pairs x diameter mm	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km
34007	2 x 2 x 0,6	7,5	11,0	80,0
34008	4 x 2 x 0,6	9,0	23,0	140,0
34009	6 x 2 x 0,6	12,0	34,0	150,0
34010	10 x 2 x 0,6	13,5	57,0	190,0
34011	20 x 2 x 0,6	16,0	113,0	310,0
34012	30 x 2 x 0,6	19,0	170,0	430,0
34013	40 x 2 x 0,6	20,5	226,0	545,0
34014	50 x 2 x 0,6	23,0	283,0	660,0
34015	70 x 2 x 0,6	26,0	396,0	895,0
34016	100 x 2 x 0,6	31,5	565,0	1230,0
34017	150 x 2 x 0,6	37,5	848,0	1780,0
34018	200 x 2 x 0,6	42,5	1131,0	2320,0
34036	250 x 2 x 0,6	47,5	1414,0	2910,0
34037	300 x 2 x 0,6	51,5	1696,0	3490,0
34038	350 x 2 x 0,6	55,0	1979,0	3970,0
34039	400 x 2 x 0,6	60,5	2262,0	4480,0
34040	500 x 2 x 0,6	66,0	2827,0	5460,0

Part No.	No.pairs x diameter mm	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km
34029	2 x 2 x 0,8	8,5	20,0	100,0
34030	4 x 2 x 0,8	10,0	40,0	180,0
34019	6 x 2 x 0,8	12,5	60,0	190,0
34020	10 x 2 x 0,8	15,0	101,0	280,0
34021	20 x 2 x 0,8	19,0	201,0	480,0
34022	30 x 2 x 0,8	23,0	302,0	670,0
34023	40 x 2 x 0,8	26,0	402,0	860,0
34024	50 x 2 x 0,8	29,0	503,0	1060,0
34025	70 x 2 x 0,8	33,0	704,0	1420,0
34026	100 x 2 x 0,8	39,0	1005,0	1980,0
34027	150 x 2 x 0,8	47,0	1508,0	2940,0
34028	200 x 2 x 0,8	51,0	2011,0	3780,0
34031	250 x 2 x 0,8	58,0	2514,0	4660,0
34032	300 x 2 x 0,8	62,5	3016,0	5570,0
34033	350 x 2 x 0,8	68,0	3519,0	6750,0
34034	400 x 2 x 0,8	73,0	4022,0	7630,0
34035	500 x 2 x 0,8	81,5	5027,0	9540,0

Dimensions and specifications may be changed without prior notice.