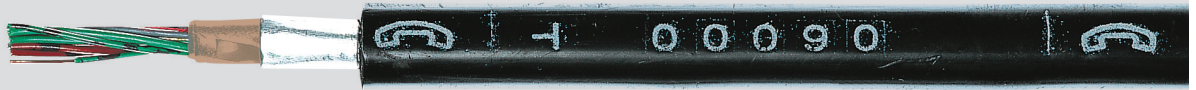


A-2YF(L)2Y Bd telephone-outdoor cable, according to DIN VDE 0816, laminated sheath, filled cable core, longitudinally water-proof



Technical data

- acc. 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 peak voltage** max. 225 V
(not for purposes of high current and power installation)
- **Test voltage**
core/core U eff. 500²⁾ V
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 circuits at 800 Hz
0,6 mm = 720 Ohm
0,8 mm = 520 Ohm
- **Minimum bending radius**
10x cable Ø
- **Radiation resistance**
up to 80x10⁶ cJ/kg (up to 80 Mrad)
- **Caloric load values**
see Technical Informations

Cable structure

- Bare copper-conductor, single-wire
- Core insulation of PE (2Y)
- 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
- Sheath colour black
- Sheath marking continuously with telephone-receiver, meter marking in white colour

Properties

- These cables are not allowed for power installation or applications requiring high current levels. Due to their PE outer sheath, these cables are also not permitted for fire and hazardous areas without any protective measures.
- **Mutual capacitance** at 800 Hz of all values 100%
0,6 mm - max. 52 nF/km
0,8 mm - max. 55 nF/km
of all values 95%
0,6 mm - max. 50³⁾ nF/km
0,8 mm - max. 53³⁾ 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 k₁ 100% -max. 800¹⁾ pF/300 m of all values k₁ 98% -max. 400 pF/300 m of all values k₉₋₁₂ 100% -max. 300¹⁾ pF/300 m of all values k₉₋₁₂ 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.
- ³⁾ For cables up to 10 double cores is the 100 % value valid
- 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 2006/95/EC.

Part no.	No.pairs x cross-sec. mm	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	Part no.	No.pairs x cross-sec. mm	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km
34007	2 x 2 x 0,6	7,5	11,0	80,0	34029	2 x 2 x 0,8	8,5	20,0	100,0
34008	4 x 2 x 0,6	9,0	23,0	140,0	34030	4 x 2 x 0,8	10,0	40,0	180,0
34009	6 x 2 x 0,6	12,0	34,0	150,0	34019	6 x 2 x 0,8	8,5	60,0	190,0
34010	10 x 2 x 0,6	13,5	57,0	190,0	34020	10 x 2 x 0,8	15,0	101,0	280,0
34011	20 x 2 x 0,6	16,0	113,0	310,0	34021	20 x 2 x 0,8	19,0	201,0	480,0
34012	30 x 2 x 0,6	19,0	170,0	430,0	34022	30 x 2 x 0,8	23,0	302,0	670,0
34013	40 x 2 x 0,6	20,5	226,0	545,0	34023	40 x 2 x 0,8	26,0	402,0	860,0
34014	50 x 2 x 0,6	23,0	283,0	660,0	34024	50 x 2 x 0,8	29,0	503,0	1060,0
34015	70 x 2 x 0,6	26,0	396,0	895,0	34025	70 x 2 x 0,8	33,0	704,0	1420,0
34016	100 x 2 x 0,6	31,5	565,0	1230,0	34026	100 x 2 x 0,8	39,0	1005,0	1980,0
34017	150 x 2 x 0,6	37,5	848,0	1780,0	34027	150 x 2 x 0,8	47,0	1508,0	2940,0
34018	200 x 2 x 0,6	42,5	1131,0	2320,0	34028	200 x 2 x 0,8	51,0	2011,0	3780,0
34036	250 x 2 x 0,6	47,5	1414,0	2910,0	34031	250 x 2 x 0,8	58,0	2514,0	4660,0
34037	300 x 2 x 0,6	51,5	1696,0	3490,0	34032	300 x 2 x 0,8	62,5	3016,0	5570,0
34038	350 x 2 x 0,6	55,0	1979,0	3970,0	34033	350 x 2 x 0,8	68,0	3519,0	6750,0
34039	400 x 2 x 0,6	60,5	2262,0	4480,0	34034	400 x 2 x 0,8	73,0	4022,0	7630,0
34040	500 x 2 x 0,6	66,0	2827,0	5460,0	34035	500 x 2 x 0,8	81,5	5027,0	9540,0

Dimensions and specifications may be changed without prior notice. (RP01)