



external
applications



underground
application



UV resistance



EMC

Technical data:

Temperature range:

Operating temperature: -30°C to 70°C

Min. installation temperature: -10°C

Min. bending radius: 10x $\varnothing$

Resistance of loop temp. 20°C (max.):

0,6mm – 135,8 Ω /km

0,8mm – 75 Ω /km

1,0mm – 48 Ω /km

Insulation resistance (min.): 1500M Ω /km

Test voltage, 50Hz: 1500V

Construction:

Conductors: solid copper conductors

Insulation: polyethylene (PE)

Core identification: acc. to the table

Core arrangement: cores twisted in pairs, pairs twisted in layers in the center

Screen on the center: metalized polyester film and earth wire tin-plated 0,4 mm diameter, solid

Filling: hydrophobic gel

Waterproof barrier: aluminum tape coated on both sides with a layer of ethylene copolymer

Sheath: polyethylene PE

Sheath colour: black

Application:

Cables are designed for use in alarm and signal systems exposed to the influence of external electromagnetic interference. Suitable for outdoor use in ducts and for laying directly in the ground.

Cables classified according to **EN 50575 (CPR)**.

Cat. no.	n x mm ²	Outer diameter [mm]	Cable weight [kg/km]	Cu [kg/km]
LA0510	3x2x0,6	8,0	56,8	17,5
LA0500	2x2x0,8	8,5	64,7	20,5
LA0501	3x2x0,8	9,5	84,4	30,1
LA0513	4x2x0,8	10,4	103,6	39,8
LA0509	5x2x0,8	11,3	122,5	49,4
LA0514	1x2x1,0	8,3	58,1	16,3
LA0515	2x2x1,0	9,3	81,3	31,3
LA0516	5x2x1,0	13,0	188,5	76,6

Cable Factory BITNER reserves the right to modify the specifications without prior notice.

Pair No.	Core marking	
	a	b
1	natural	red
2	natural	blue
3	natural	yellow
4	natural	brown
5	natural	violet