

PT-LSHF

Halogen free signal cables



Technical data:

Thermal parameters:

Temperature range:

operating temperature: -30 °C to 80 °C
installation temperature: -5 °C to 50 °C

Electrical parameters:

Maximum operating voltage: 75 V

Test voltage - 700 V: 50 Hz

Max. DC resistance of the conductor at 20 °C:
65 Ω/km

Insulation resistance (min): 500 MΩ x km

Max. capacity pair / core to core: 75 nF/km

Capacitance unbalance pair to pair: 800 pF

Mechanical parameters:

Minimum bending radius: 10 x Ø

Design:

Conductor:

solid, tinned copper wire (Ø 0,6 mm)

Conductor insulation:

polyethylene PE

Core identification:

coloured conductors according to "Technical data" table

Core arrangement:

cores twisted in pairs, pairs twisted together

Outer sheath:

special halogen-free polymer, self-extinguishing and flame-retardant (acc. to EN 60332-1-2); colour: white

Application:

PT-LSHF halogen free cables are used in data communication and alarm systems, low-voltage - including building management system. For indoor use. Cables classified according to **EN 50575 (CPR)**.

Technical data

Pair no.	Colour
1	Black-blue
2	Black-orange
3	Black-green
4	Black-brown
5	Black-grey
6	Blue-white
7	Blue-orange
8	Blue-green
9	Blue-brown
10	Blue-grey

Cat. no.	n x 2 x mm	Outer diameter* [mm]	Approximate cable weight [kg/km]
TP1500	1x4x0,6	4,2	29
TP1501	2x2x0,6	5,0	32
TP1502	3x2x0,6	5,4	40
TP1503	4x2x0,6	6,2	50
TP1504	5x2x0,6	7,1	65
TP1505	6x2x0,6	7,4	73
TP1506	8x2x0,6	8,1	90
TP1507	10x2x0,6	9,1	111
TP1508	20x2x0,6	11,9	205

*Outer diameter tolerance: +/-5%

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