

PT-LSHF Halogen free signal cables



Technical data:

Thermal parameters:
Operating temperature: -30 °C up to 80 °C
Installation temperature: -5 °C up to 50 °C

Electrical parameters:
Maximum operating voltage: 75V
Test voltage - 700V: 50Hz
Max. DC resistance of the conductor at 20 °C: 65 Ω/km
Insulation resistance (min): 500 MΩx km
Max. capacity pair / core to core: 75nF/km
Capacitance unbalance pair to pair: 800pF

Mechanical parameters:
Minimum bending radius: 10xD

Design:

Conductor: solid, tinned Cu wire (Ø 0,6 mm)
Conductor insulation: polyethylene PE
Core identification: coloured conductors according to table "Technical data"
Core arrangement: cores twisted in pairs, pairs twisted together
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