

BiTsensor PE-H LSOH

2x2x22AWG

Halogen-free, screened, paired data transmission cable



Technical data:

Operating temperature: -20°C to 80°C
Min. installation temperature: -5°C
Operating voltage: 300V
Test voltage: 2500V
Min. bending radius: 30mm

Construction:

Conductors: multi-stranded (20x0,15mm) – 0,34mm² tinned copper conductors
Insulation: HDPE (high-density polyethylene)
Conductor colours:
1 pair - black, red
2 pair - white, green
Screen: aluminium backed polyester tape with multi-stranded tinned copper drain wire (7x0,2) – 0,22mm²
Core arrangement: screened pairs twisted together
Outer sheath: special moisture resistant, halogen free compound, self-extinguishing and flame retardant acc. to EN 60332-1, IEC 60332-1
Outer sheath colour: navy blue

Application:

Special cable for digital or analogue signal data transmission. Dedicated to RS 485 transmission. Screening protects the transmitted signal from the external electromagnetic interference and ensures proper electrical performance. Cables are suitable for indoor and outdoor use, in dry and moist environment. The outer sheath is resistant to UV and weather conditions. Suitable for direct burial. Mainly for application in areas with increased fire safety requirements (limited flame propagation, no halogens). Cable classified according to **EN 50575 (CPR)**.

Cat. no.	n x AWG	n x 2mm ²	Outer diameter [mm]	Approx. cable weight [kg/km]	Cu [kg/km]
LP0171	2x2x22AWG	2x2x0,34	5,3	46	15,2

Cross section in mm² is an approximate value.
Cable Factory BITNER reserves the right to modify the specifications without prior notice.