

# BiTsensor PE(St)CH

Halogen-free, data transmission cable, RS 485



RoHS 2002/95/WE



LVD 2014/35/WE

CPR 305/2011



## Technical data:

**Operating temperature:** -40°C to 80°C

**Min. laying temperature:** -20°C

**Operating voltage:** 300V

**Test voltage:** 2500V

**Min. bending radius:** 30mm

## Construction:

**Conductors:** bare, annealed copper conductors, stranded class 2 acc. to EN 60228

**Insulation:** foam-skin PE

**Cores identification:** see table below

**Screen:** aluminium backed polyester tape over every pair, tinned copper wire braid over twisted pairs

**Outer sheath:** special halogen-free compound, self-extinguishing and flame retardant (acc. to EN 60332-1, EN 50265, IEC 60332-1)

**Outer sheath color:** green

## Application:

BiTsensor PE(St)CH cable is intended to use in serial bus EIA/RS-485. Low capacity of the cable gives high frequency transmission in long connections. Used in transmission networks based on BACnet MS/TP, Linknet, MODbus RTU protocols etc. They are suitable for installation in operating in dry and damp rooms. The cable is classified acc. PN-EN 50575 (CPR)



industrial applications



internal application



PN-EN 60332-1



halogen-free  
EN 50267



low smoke emission



data transmission

Cat.No.	n x mm <sup>2</sup>	Diameter [mm]	cable weight [kg/km]	Cu [kg/km]	Cores identification
LP0178	1x2x0,22	5,6	41	17,0	white, blue
LP0185	1x2x0,22	7,1	62	24,0	1st pair: white, blue 2nd pair: red, black

Note: The cross-section (mm<sup>2</sup>) is approximate

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

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