



Screened data transmission cable for industrial electronics

Can be used for Maxi TERMI-POINT® wiring; Overall braid minimises electrical interference; Decoupling of circuits by means of twisted-pair (TP) design (crosstalk effects)



Product description

Application range

- Connection cable for use in electronics and in measurement, control and signal applications
- This cable is also used as a pulse and data transmission cable
- JE-LiYCY...BD has also proved to be an efficient connection cable for telephone systems, e.g. paging and intercom systems.
- For fixed installation on and under plaster, in dry and damp rooms
- For outdoor use this cable should be installed under plaster only

Benefits

- Can be used for Maxi TERMI-POINT® wiring
- Overall braid minimises electrical interference
- Decoupling of circuits by means of twisted-pair (TP) design (crosstalk effects)

Product Make-up

- 7-wire bare stranded copper conductor
- Core insulation made of PVC
- 2 cores twisted into a pair, and 4 pairs into units (for 2 x 2 x 0.5 as star quad cable)
- Bundles twisted in layers, foil wrapping, screening braid made of tinned copper wires
- Outer sheath made of PVC
Outer sheath colour: sky blue (RAL 5015)

Norm references / Approvals

- In accordance with DIN VDE 0815
type JE-LiYCY...BD

Product features

- The 2-pair version (2 x 2 x 0.5) is twisted into a star quad
- Flame-retardant according IEC 60332-1-2
- JE-LiYCY...BD EB
Blue version for intrinsically safe circuits: Complies with VDE 0165 Section 12.2.2.6. Marking of cables for hazard type -i- (intrinsically safe) is specified

Technical Data

Core identification code	according to VDE 0815, refer to Appendix T10
Mutual capacitance	max. 100 nF/km
Peak operating voltage	(not for power applications) 225 V
Classification	ETIM 5.0 Class-ID: EC000829 ETIM 5.0 Class-Description: Control cable
Inductivity	approx. 0.65 mH/km
Coupling	approx. 200 pF/100 m
Conductor stranding	Multi-wire, 7 x 0.3mm
Minimum bending radius	Occasional flexing: 15 x outer diameter Fixed installation: 5 x outer diameter
Test voltage	Core/core: 500 V Core/screen: 2000 V
Loop resistance	max. 78.4 ohm/km
Temperature range	Occasional flexing: -5°C to +50°C Fixed installation: -30°C to +70°C