UNITRONIC® EB CY (TP)

Screened data transmission cable with twisted pairs and blue outer sheath

Overall braid minimises electrical
interference; Decoupling of circuits by means of
twisted-pair (TP) design (crosstalk effects)

- Hazard protection type -i- is required where there is a risk of explosion

RoHS

Product description

Application range

- Reliable data transmission in intrinsically safe circuits
- In EMC-sensitive environments
  (electromagnetic compatibility)

Benefits

- Overall braid minimises electrical
  interference
- Decoupling of circuits by means of
  twisted-pair (TP) design (crosstalk effects)

Product Make-up

- Fine-wire strand made of bare copper wires
- Core insulation made of PVC
- TP structure
- Tinned-copper braiding
- Outer sheath made of PVC
  Outer sheath colour: sky blue (RAL 5015)

Norm references / Approvals

- Based on VDE 0812

Product features

- Complies with VDE 0165 Section 12.2.2.6. Marking of cables for hazard type -i- (intrinsically safe) is specified
- Flame-retardant according IEC 60332-1-2

Technical Data

Core identification code	DIN 47100, refer to Appendix T9
Mutual capacitance	C/C approx. 100 nF/km C/S approx. 140 nF/km
Peak operating voltage	(not for power applications) 900 V
Classification	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
Inductivity	approx. 0.65 mH/km
Conductor stranding	Strand, fine-wire in accordance with IEC 60228 Cl. 5
Minimum bending radius	Occasional flexing: 15 x outer diameter Fixed installation: 6 x outer diameter
Test voltage	2500 V
Temperature range	Occasional flexing: -5°C to +70°C Fixed installation: -40°C to +80°C