ÖLFLEX® EB CY

According to DIN EN 60079-14; VDE 0165 part 1

Space-saving installation due to small cable diameters; Copper wire braid screening of the ÖLFLEX® EB CY protects signal transmission within intrinsically safe circuits against electromagnetic interference

- For use within intrinsically safe circuits
- EMC-compliant

Product description

Application range

- Installation of intrinsically safe circuits, where a special cable marking for hazard area type "i"- intrinsic safety is specified
- In EMC-sensitive environments (electromagnetic compatibility)

Benefits

- Space-saving installation due to small cable diameters
- Copper wire braid screening of the ÖLFLEX® EB CY protects signal transmission within intrinsically safe circuits against electromagnetic interference

Product Make-up

- Fine-wire strand made of bare copper wires
- PVC insulation LAPP P8/1
- Plastic foil wrapping
- Tinned-copper braiding
- PVC outer sheath, sky blue RAL 5015

Norm references / Approvals

- Electrical characteristics and markings on the wires and cables are according to DIN EN 60079-14 Section 12.2.2 (VDE 0165 Part 1)
- Based on EN 50525-2-51

Product features

- Flame-retardant according IEC 60332-1-2
- High degree of screening
  low transfer impedance
  (max. 250 ?/km at 30 MHz)

Technical Data

Core identification code	Black with white numbers acc. to VDE 0293-1
Mutual capacitance	Core/core approx. 135 nF/km Core/screen approx. 185 nF/km
Classification	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
Inductivity	approx. 0.65 mH/km
Conductor stranding	Fine wire according to VDE 0295, class 5/IEC 60228 class 5
Minimum bending radius	Occasional flexing: 20 x outer diameter Fixed installation: 6 x outer diameter
Nominal voltage	U_0/U: 300/500 V
Test voltage	Core/core: 3000 V Core/screen: 2000 V
Temperature range	Occasional flexing: -5°C to +70°C Fixed installation: -40°C to +80°C