ÖLFLEX® EB CY

Control cable for intrinsically safe circuits according to IEC 60079-14 / EN 60079-14 / VDE 0165-1

ÖLFLEX® EB CY - PVC control cable, flexible, screened and numbered, with blue outer sheath for intrinsically-safe circuits, $U_0/U$: 300/500V

Info
CPR: Article number choice under www.lappkabel.com/cpr
For use within intrinsically safe circuits - type of protection 'i'
UV and weather-resistant according to ISO 4892-2

Interference signals
Good chemical resistance

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
Suitable for outdoor applications

Application range
For intrinsically safe circuits (type of protection i - intrinsic safety) according to IEC 60079-14:2013 / EN 60079-14:2014 / VDE 0165-1:2014, section 16.2.2
In EMC-sensitive environments
(electromagnetic compatibility)

Product features
Flame-retardant according IEC 60332-1-2
High degree of screening
Low transfer impedance
ÖLFLEX® EB CY

(max. 250 Ω/km at 30 MHz)
UV and weather-resistant according to ISO 4892-2

Norm references / Approvals
Based on EN 50525-2-51

Product Make-up
Fine-wire strand made of bare copper wires
PVC insulation LAPP P8/1
Cores twisted in layers
Plastic foil wrapping
Tinned-copper braiding
Outer sheath: PVC, sky blue similar to RAL 5015

Technical Data
Classification ETIM 5: ETIM 5.0 Class-ID: EC000104
ETIM 5.0 Class-Description: Control cable
Classification ETIM 6: ETIM 6.0 Class-ID: EC000104
ETIM 6.0 Class-Description: Control cable
Core identification code: Black with white numbers acc. to VDE 0293-1
Mutual capacitance: Core/core approx. 160 nF/km
Core/screen approx. 250 nF/km
Inductivity: approx. 0.52 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: U0/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

Note
Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.
Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths
Packaging size: coil ≤ 30 kg or ≤ 250 m, otherwise drum
Please specify the preferred type of packaging (e.g. 1 x 500 m drum or 5 x 100 m coils).
Photographs and graphics are not to scale and do not represent detailed images of the respective products.
Prices are net prices without VAT and surcharges. Sale to business customers only.
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