EDV-PiMF-CY (Li-2Y-CY-PiMF) PE-insulated, low capacitance, EMC*-preferred type



HELUKABEL

Li 2YCY PiMF

10X2X0,75

CE

Technical data

- ± Special PE data cable for computer application
- ± Temperature range flexing ± 58C to +808C fixed installation ±208C to +808C
- Nominal voltage max. 300 V (not for purposes of high current and power installation)
- ± Nominal voltage max. 300 V
- ± Test voltage core/core core/screen

2000 V 1000 V

- ± Insulation resistance ca. 5 GOhmxkm
- ± Mutual capacitance core/core
- ca. 75 pF/m
- ± Inductance max. ca. 0,4 mH/km
- ± Cross-talk attenuation min. 60 dB at 100 kHz
- ± Impedance (approx. value)
- at 1 kHz ca. 360 Ohm 10 kHz ca. 125 Ohm

100 kHz ca. 87 Ohm

1000 kHz ca. 70 Ohm

- ± Line attenuation (approx. value)
- at 1 kHz ca. 1,1 dB

10 kHz ca. 2,7 dB

100 kHz ca. 6,8 dB

1000 kHz ca. 35 dB

- ± Minimum bending radius approx. 12 x cable ¹
- ± Radiation resistance up to 80 x 10⁶ cJ/kg (up to 80 Mrad)

Cable structure

- ± Bare copper, fine wire conductors, according to DIN VDE 0295 Kl. 5 and IEC 60228 cl. 5
- ± Colour code as per DIN 47100
- ± PIMF: (pair in metal foil) cores twisted in pairs; foil wrapped, plastic coated aluminium foil and copper drain-wire tinned, 100% coverage
- ± PiMFs are stranded in layer
- ± Core wrapping with plastic tapes
- ± Overall copper screened braiding, 85% coverage
- ± Outer jacket, TM2 in adapted to VDE 0281 part 1 colour grey
- ± PVC jacket self-extinguishing and flame retardant, test method B according to DIN VDE 0472 part 804 and IEC 60332-1

Application

Absolute disturbance-free data transfer both for installed terminals in all areas of medicine and data technology.

Also suitable for use in machine tool and steel producing industries, traffic signal systems, assembly lines and food processing.

* EMC = Electromagnetic compatibility

Note To optimise the EMC features we recommend a large round contact of the copper braidings on both ends.

± The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

C € = The product is conformed with the EC Low-Voltage Directive 73/23/EEC and 93/68/EEC.

No.	No. pairs x cross-sec. mm ²	Outer ¹ ca. mm	Cop. weight kg/km	Weight ca. kg/km	AWG- no.*)
PLU030029	2 x 2 x 0,5	9,1	50	101	20

*) Note

AWG sizes are approximate equivalent values. The actual cross-section is in mm² \pm see page T 15.

