



LIYCY/EB-0 signal cable, outer jacket blue, intrinsic safety, EMC-preferred type, Brutronic

- Special PVC electronics Cable with blue outer jacket for intrinsically safe installation marking to EN 60079-14 and IEC 60079-14 section 12.2.2.6 .
- Stranded bare Cu conductor, fine wire structure to VDE 0295 class 5 / IEC 60228 class 5.
- PVC self-extinguishing and flame retardant according to 60332-1 (equivalent DIN VDE 0472 part 804 test method B) .
- Braided screening made of tinned copper wire.
- The materials used in manufacturing are cadmium-free and contain no silicone and are free from substances harmful to the wetting properties of lacquers.
- Order no. KEA-2000-00-016

Product ID:	KEA-2000-00-016 cable
Conductor resistance:	at 0,5mm ² ≤ 39 Ohm/km
Temperature range:	flexing -5°C - + 70 °C fixed - 30°C - + 80 °C
Max voltage:	300V (Not approved for use as mains power cable!)
Test voltage:	core/core approx. 1.500 V core/screen approx. 800 V
Breakdown voltage:	--
Insulation resistance:	> 20 MOhm * km
Mutual capacitance:	core/core approx. 120 nF/km core/screen : 160 nF/km
Inductance:	approx. 0,65 mH/km
Characteristic impedance:	approx. 80 Ohm
Minimum bending range:	10 * cable Ø
Radiation Resistance:	--
Coupling Resistance:	max 250 Ohm/km
No. pairs * cross section:	1*2*0,5
Outer Ø (ca mm):	5,6 mm
Copper weight kg /km:	36 kg / km
Colour:	Blue RAL 5015
Colour coding:	Twisted pairs acc. DIN 47100: White/brown.

Application: For hazardous areas this flexible control cable has been constructed for closed circuit systems in accordance with VDE 0165 part 1, part 12.2.6, which covers the requirements for the special marking (blue) of this type -i-). The paired construction and the copper screening offers a good protection against electrical interference and ensure the transmission of data signals.

EMC = electromagnetic compatibility

To optimize the EMC features we recommend a large round contact of the copper braiding on both ends.

CE = the product is conformed with the EC Low-Voltage Directive 73/23/EEC and 93/68/EEC



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