



## OB-BL-PAAR-CY outer jacket blue, intrinsic safety, EMC-preferred type, Helukabel

- Special PVC Control Cable with blue outer jacket for intrinsically safe installation marking to EN 60079-14 and IEC 60079-14 section 12.2.2.6 .
- Bare Copper, fine wire conductors, bunch stranded to DIN VDE 0295 cl. 5, BS6360 cl.5 and IEC 60228 cl. 5.
- Special PVC core insulation YI2, to DIN VDE 0207 part 4.
- Extensively oil resistant.
- PVC self-extinguishing and flame retardant according to DIN VDE 0482 part 265-2-1 / EN 50265-2-1 / IEC 60332-1 (equivalent to DIN VDE 0472 part 804 test method B) .
- 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-2000-00-020

<b>Product ID:</b>	<b>KEA-2000-00-020 cable</b>
<b>Conductor resistance:</b>	at 0,5mm <sup>2</sup> ≤ 37,8 Ohm/km
<b>Temperature range:</b>	flexing -5°C - + 80 °C fixed - 30°C - + 80 °C
<b>Nominal voltage:</b>	900V (Not approved for use as mains power cable!)
<b>Test voltage:</b>	core/core approx. 2.000 V core/screen approx. 1.000 V min 4.000V
<b>Breakdown voltage:</b>	> 20 MOhm * km
<b>Insulation resistance:</b>	core/core approx. 105 nF/km
<b>Mutual capacitance:</b>	core/screen : 145 nF/km
<b>Inductance:</b>	approx. 0,68 mH/km
<b>Characteristic impedance:</b>	approx. 80 Ohm
<b>Minimum bending range:</b>	10 * cable Ø
<b>Radiation Resistance:</b>	up to 80*10 <sup>6</sup> cJ/kg (up to 80Mrad)
<b>Coupling Resistance:</b>	max 250 Ohm/km
<b>No. pairs * cross section:</b>	2*2*0,5 mm <sup>2</sup>
<b>Outer Ø (ca mm):</b>	8,0 mm
<b>Copper weight kg /km:</b>	60 kg / km
<b>Colour:</b>	Blue RAL 5015
<b>Colour coding:</b>	Twisted pairs acc. DIN 47100: White/brown, Green /yellow

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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