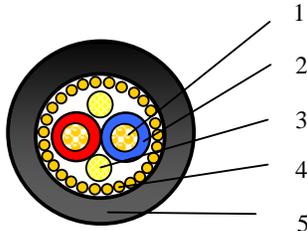


<b>TECHNICAL DATASHEET</b>	code	<b>70040-V1</b>
<b>Microphone Cable</b>	date	<b>2010-01-05</b>
	repl	
	page	<b>1/1</b>

## CONSTRUCTION



<b>1. Conductor</b>	32 x 0.10 mm Bare <b>Oxygen-free Cu</b>
<b>2. Insulation</b>	
Material	Polyethylene
Diameter over insulation	1.45 ± 0.05 mm
Colour of insulation	Red and blue
<b>3. Filler</b>	
Material	Cotton yarn
<b>4. Spiral screening</b>	
Material	0.12 mm bare Cu
Coverage	> 90%
<b>5. Sheath</b>	
Material	Flexible PVC with matte finish
Diameter over sheath	6.10 ± 0.20 mm
Possible colour of sheath	Black, red (like RAL 3001), yellow (like RAL 1003), green (like RAL 6029), blue (like RAL 5005), grey (like RAL 7000)
Appearance of the cable	Cable has to be very round without minimal convolutions

## **REQUIREMENTS AND TEST METHODS**

### **Electrical:**

Resistance conductor @ 20°C	< 78 Ω/km
Capacitance conductor to conductor @ 1kHz	60 pF/m
Capacitance conductor to screen @ 1kHz	110 pF/m
Testvoltage conductor-conductor	1000 VDC
Testvoltage conductor-screen	1000 VDC

### **Mechanical and physical:**

Temperature range processing and operating	-5 to +60 °C
Temperature range storage	-15 to +60 °C
Minimum bending radius	10 x cable diameter

## MARKING OF THE CABLE

“BELDEN 70040 AUDIO MICROPHONE 1STP 24AWG (0.22mm<sup>2</sup>) MMY+metermarking (MMYY=month and year, e.g. 1209)”

Applied once each meter, colour of print: black or white depending on jacket colour.