

## BIB SERIES

High Performance Interbus  
E.L.V BUS/Automation Cable



### APPLICATIONS:

**Interbus** These cables are suitable for Interbus S systems to network sensors and actuators with all standard automation instruments.

### PRODUCT FEATURES:

- ▶ Low capacitance polyethylene insulation
- ▶ Special oil resistant SPVC
- ▶ UV stabilised
- ▶ Flame retardant
- ▶ Heat, oil and chemical resistant (See Technical Section)

### CONSTRUCTION:

**Conductor** Annealed plain copper stranded high flexibility (Class 5).

**Insulation** Polyethylene.

**Screening** Plain copper braided screen.

**Sheath** PVC.

### CHARACTERISTICS:

**Operating Temperature Range** Fixed -40°C to 70°C.

**Maximum Conductor Temperature** 70°C.

**Nominal Voltage** 250V.

**Minimum Bending Radius** Fixed 15 x cable diameter.

**Sheath Colour** Turquoise.

**Standard Core Colours** White/Brown, Green/Red, Yellow/Green + (Blue, Red, Green/Yellow).

**Relevant Standards** Interbus specification 2.0, IEC 61158, UL Style 2571, **RoHS** Compliant.

Electrical Data	
<b>Characteristic Impedance</b>	120 Ω +/- 15 Ω
<b>Conductor Resistance</b>	96 Ω/km
<b>Insulation Resistance</b>	1.0 GΩ x km min
<b>Mutual Capacitance</b>	60.0 nF/km nom
<b>Test Voltage</b>	1.0kV
<b>Attenuation</b>	256 kHz < 1.5 dB/100m
	772 kHz < 2.4 dB/100m
	1 MHz < 2.7 dB/100m
	4 MHz < 5.2 dB/100m
	10 MHz < 8.4 dB/100m
	16 MHz < 11.2 dB/100m
	20 MHz < 11.9 dB/100m

Code	No. of Cores x Size (mm <sup>2</sup> )	Nearest AWG	Approx. Overall Diameter (mm)	Approx. Weight (Kg/Km)
<b>INTERBUS FIXED WIRING (INDOOR)</b>				
<b>BIB03/2/0.22</b>	3 Pair 0.22	24	7.0	70
<b>BIB03/2/0.22+3/1.0</b>	3 Pair 0.22 + 3 x 1.0	24	8.0	96