



Interbus

Application:

INTERBUS (IBS) are bus cables designed for use in high speed control requirements. These cables deliver precise data transmissions. Interbus cables are available in for stationary, flexible and outdoor applications. All versions are constructed with a tinned copper braid and foil shield for optimum protection against electrical interferences and have excellent data transmission characteristics. The stationary and flexing versions have an oil-resistant and flame retardant violet jacket to INTERBUS conformance requirements. The outdoor version has a UV-resistant black PVC jacket for direct burial and outdoor use.



3 Pair Remote Bus

Construction:

Type	3 Pair Interbus cable
Inner Conductor:	Plain copper conductors 0.22mm ²
Conductor Insulation	PE
Stranding Element	Cores twisted into pairs, pairs bunched
Core Wrapping	Polyester taped
Shielding	-
Total Shielding	Copper wire braid
Drain Wire:	-
Outer Jacket Material	PVC(static) /PUR(dynamic)
Conductor identification	Pairs: Brown/White, Green/Yellow, Pink/Grey.
	Cores: Red, Blue, Green.
Sheath colour	Green or Purple*



3 Pair + Power, Remote Installation cable

Construction:

Type	3 Pair Interbus cable
Inner Conductor, data	Plain copper, 0.22mm ²
Inner Conductor, power	Plain copper, 1.0mm ²
Conductor Insulation, data	PE
Conductor Insulation, power	PE
Stranding Element, data	Cores twisted into pairs
Stranding Element, power	-
Total stranding Element	Cores and pairs bunched together
Core Wrapping	Polyester taped
Shielding	-
Total Shielding	Copper wire braid
Drain Wire	-
Outer Jacket Material	PUR sheath
Conductor identification	Pairs: Brown/White, Green/Yellow, Pink/Grey. Cores: Red, Blue, Green.
Sheath colour	Green or Purple*

Electrical Data:

Characteristic Impedance@1Hz	120 Ω \pm 20 Ω
Conductor resistance	96.0 Ohm/km
Insulation Resistance	1Gohm x km.min
Matual Capacitance@800Hz	Max: 60nF/km
Working Voltage	Max: 300V
Test Voltage	1.5KV

Technical Data:

Weight:	approximately 67.0 kg/km	approximately 96.0 kg/km
Min. Bending Radius	PUR: 15 x OD mm / PVC: 8 x OD mm	
Operating Temp.Range, min.	- 30 °C	
Operating Temp.Range, max.	+70 °C(flexing) / +80 °C(static)	