

## INTERBUS® PVC or PUR



**INTERBUS® (IBS)** are bus cables designed for use in high speed control requirements. **INTREBUS®** cables function as communication vehicles between control level devices such as PLC's and numerous lower level devices, sensors and actuators. These cables deliver precise data transmissions required by today's demanding manufacturing and process environments. **INTERBUS®** cables are available for stationary (PVC), high flex (PUR) and outdoor (special black PVC) applications. All have a tinned copper braid and foil shield for better electromagnetic protection and a flame retardant violet jacket to **INTERBUS®** conformance requirements. The outdoor version has a UV-resistant black PVC jacket for direct burial.



### Construction:

- Bare copper 7-wire strands for PVC versions
- Bare strands to VDE-0295 Class-5 for PUR
- Special polyethylene core insulation
- Color code DIN 47100 pairs
- Twisted pair configuration
- Special foil wrapping over inners
- Tinned copper braid shield
- PVC or PUR outer jacket
- Violet (RAL 4001)
- Outdoor version reinforced PVC jacket
- Black (RAL 9005)

### Technical:

- Working voltage: 250 volts
- Test voltage: 1500 volts
- PVC bending radius: 8 x Ø
- PUR bending radius: 15 x Ø
- Static PVC temp: -40° C to +70° C
- Flexing PUR temp: -40° C to +70° C
- Flame retardant: IEC 60332.1, VW-1
- Loop resistance: 186 Ω / km
- Impedance: 100 Ω
- Mutual Cap (800 Hz): max 60nF/km

### Approvals:

- DIN 19258, EN 50254
- IEC 61158
- UL style 2571
- UL/CSA type CMX
- CE Low Voltage Directive 73/23/EEC and 93/68/EEC
- ROHS compliant



PART NUMBER	PAIRS	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
<b>INTERBUS-PVC UL/CSA (STATIONARY)</b>				
24 AWG (0,22mm <sup>2</sup> ) PVC				
8202403	3	0.283" / 7.2mm	25	48
8202409 *	3+	0.311" / 7.9mm	40	57
8232403 UL/CSA	3	0.283" / 7.2mm	25	48
8232409 * UL/CSA	3+	0.311" / 7.9mm	40	57

\* "3+" denotes 3/pr cable with a #17-3/c power cable. Color code: Red, Blue, Green/Yellow

PART NUMBER	PAIRS	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
<b>INTERBUS-PUR UL/CSA (HIGH FLEX)</b>				
24 AWG (0,25mm <sup>2</sup> ) PUR				
8212403	3	0.311" / 7.4mm	26	43
8212409 *	3+	0.311" / 7.9mm	42	62
8242403 UL/CSA	3	0.311" / 7.4mm	26	43
8242409 * UL/CSA	3+	0.311" / 7.9mm	42	62

\* "3+" denotes a 3/pr cable with a #17-3/c power cable. Color code: Red, Blue, Green/Yellow

PART NUMBER	PAIRS	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
<b>INTERBUS-PVC-OD UL/CSA (OUTDOOR)</b>				
24 AWG (0,22mm <sup>2</sup> ) PVC - Black				
8222403	3	0.366" / 9.3mm	25	63
8222409 *	3+	0.370" / 9.4mm	41	85
8252403 UL/CSA	3	0.366" / 9.3mm	25	25
8252409 * UL/CSA	3+	0.370" / 9.4mm	41	63

\* "3+" denotes a 3/pr cable with a #17-3/c power cable. Color code: Red, Blue, Green/Yellow

\*\* Outdoor versions have a UV-resistant black PVC jacket, approved for direct burial.

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