

PROFIBUS® PVC or PUR



PROFIBUS-PVC / PROFIBUS-PUR are field bus cables that connect digital field devices at the sensor/actuator level to higher level components. Used for linking industrial field-bus systems in automation and communication technology. The stationary PVC and high flex polyurethane versions are both made with a copper braid and a foil shield for better electromagnetic protection and have excellent data transmission characteristics. For use in fieldbus systems such as SUCOnet-P®, Modulink-P®, VariNet® and other field bus systems. All cables have a flame retardant violet colored jacket with or without UL/CSA approvals.



Construction:

- Fine bare copper strands
- 7-wire strands for PVC versions
- Strands to VDE-0295 Class-5 for PUR versions
- 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)

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
- Static PUR temp: -30° C to +70° C
- Flame retardant: IEC 60332.1-2
- Insulation resistance: 20 MΩ x km
- Impedance: 100-120 Ω
- Mutual Cap (800 Hz): max 60nF/km

Approvals:

- DIN 19245 T3, EN 50170
- 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
PROFIBUS-PVC (STATIONARY)				
24 AWG (7/30) 0.22mm ² PVC				
8102401	1	0.224" / 5.7mm	12	25
8102402	2	0.280" / 7.1mm	16	30
8102403	3	0.283" / 7.2mm	24	48
24 AWG (7/30) 0.22mm ² PVC				
8122401 UL/CSA	1	0.232" / 5.9mm	12	26
8122402 UL/CSA	2	0.287" / 7.3mm	16	32
8122403 UL/CSA	3	0.291" / 7.4mm	24	51

PART NUMBER	PAIRS	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
PROFIBUS-PUR (HIGH FLEX)				
24 AWG (14/34) 0.25mm ² PUR				
8112401	1	0.248" / 6.3mm	12	26
8112402	2	0.331" / 8.4mm	16	44
8112403	3	0.343" / 8.7mm	24	52
24 AWG (14/34) 0.25mm ² PUR				
8132401 UL/CSA	1	0.256" / 6.5mm	12	26
8132402 UL/CSA	2	0.339" / 8.6mm	16	44
8132403 UL/CSA	3	0.343" / 8.7mm	24	52

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