

## CAN-BUS PVC or PUR



**CAN-BUS-PVC and CAN-BUS-PUR** (Controller Area Network) are field bus cables that conform to international CAN standard ISO-11898. These bus cables are UL/CSA type CMX approved and are for use on high performance data networks with 120 Ohms nominal impedance. Well suited for use on high-speed motion control and feedback loop applications. The PVC jacketed version is designed for stationary applications, while the halogen-free polyurethane (PUR) version is for high flexing applications. Both versions have a foil wrap and a tinned copper braid shield for better electromagnetic protection. **CAN-BUS** cables are suitable in dry or damp indoor areas.



### Construction:

- 7-wire strands of bare copper for PVC versions
- VDE-0295 Class-5 strand s 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 halogen-free PUR outer jacket
- Violet (RAL 4001)

### Technical:

- Working voltage: 250v (UL 300v)
- Test voltage: 3000v (UL 2000v)
- Static bending radius: 8 x Ø
- Flexing bending radius: 10 x Ø
- Static PVC temp: -30° C to +70° C
- Flexing PUR temp: -40° C to +75° C
- Flame retardant: IEC 60332.1-2
- Loop resistance: 52 Ω / km
- Impedance: 120 Ω (+/- 15 Ω)
- Mutual Cap (800 Hz): max 45nF/km

### Approvals:

- UL type CMX
- 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>CAN-BUS-PVC UL/CSA (STATIONARY)</b>				
<b>24 AWG (7-wire) 0.22mm<sup>2</sup> PVC</b>				
8402401	1	0.224" / 5.7mm	11	28
8402402	2	0.299" / 7.6mm	23	46
<b>22 AWG (7-wire) 0.34mm<sup>2</sup> PVC</b>				
8402201	1	0.268" / 6.8mm	17	37
8402202	2	0.335" / 8.5mm	31	59
<b>20 AWG (7-wire) 0.50mm<sup>2</sup> PVC</b>				
8402001	1	0.295" / 7.5mm	28	60
8402002	2	0.382" / 9.7mm	40	71
<b>19 AWG (7-wire) 0.75mm<sup>2</sup> PVC</b>				
8401901	1	0.343" / 8.7mm	35	73
8401902	2	0.453" / 11.5mm	54	95

PART NUMBER	PAIRS	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
<b>CAN-BUS-PUR UL/CSA (HIGH FLEX)</b>				
<b>24 AWG (14/34) 0.25mm<sup>2</sup> PUR</b>				
8412401	1	0.252" / 6.4mm	12	27
8412402	2	0.331" / 8.4mm	22	47
<b>22 AWG (19/34) 0.34mm<sup>2</sup> PUR</b>				
8412201	1	0.268" / 6.8mm	22	40
8412202	2	0.378" / 9.6mm	35	59
<b>20 AWG (16/32) 0.50mm<sup>2</sup> PUR</b>				
8412001	1	0.315" / 8.0mm	28	50
8412002	2	0.425" / 10.8mm	40	67