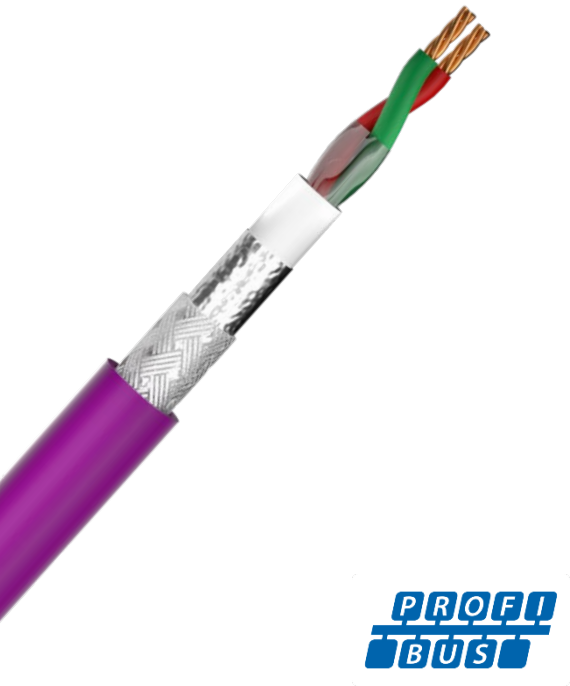
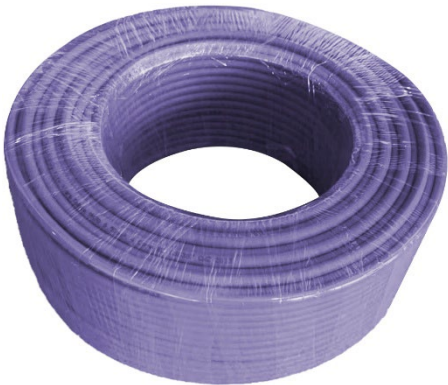


PROFIBUS, 1P 22AWG CU, PVC FILLER, OBSP, VIOLET PVC, CPR Eca, 100M



Application:

Data transmission applications such as Profibus DP or PA, Instrumentation and computer cable, etc.



General	
Cable Type	Profibus Cable
Conductor	Solid Copper
Number of Pairs	1
Isolation Material	PE
Isolation Color	Red/Green
Separator	PET
Filler	White PVC
Shield Construction	AL/Poly + 65% TC Braid
Jacket Material	PVC
Jacket Color	Violet
Packing	100M Coil

Dimensions		
Conductor diameter	22AWG (0.65 mm)	0.026 in
Isolation diameter	2.55 mm	0.100 in
Filler diameter	5.40 mm	0.213 in
Braid wire diameter	0.12 mm	0.005 in
Diameter over jacket	8.00 mm	0.315 in
Coil	Outer Diameter	270 mm 10.63 in
	Center Hole	150 mm 5.91 in
	Height	220 mm 8.66 in

Mechanical		
Operating Temperature		-20°C to +60°C
Bend Radius	Dynamic	37.5 mm Min.
	Static	37.5 mm Min.
Pull Tension		22 lbs Max.

Electrical		
Attenuation	@ 9.6 kHz	0.0025 dB/m Max.
	@ 38.4 kHz	0.004 dB/m Max.
	@ 4 MHz	0.022 dB/m Max.
	@ 16 MHz	0.042 dB/m Max.
Characteristic Impedance		270±24 Ohms @ 9.6 kHz
		185±18.5 Ohms @ 38.4 kHz
		150±15 Ohms @ 3~20 MHz
Conductor DC Resistance		57 Ohms / km Max. 17.4 Ohms / kft Max.
Shield DC Resistance		9.5 Ohms / km Max. 2.9 Ohms / kft Max.
Mutual Capacitance		2.9 nF / 100m 0.9 nF / 100ft
Velocity of Propagation		78%
Operating Voltage		80 V

Compliance	
Applicable	RoHS2.0(2011/65/EU)
Fieldbus specifications	IEC 61158
Reaction to fire	IEC 60332-1-2 EN 50575:2014+A1:2016 EN 13501-6(Eca)
Warranty	3 years

