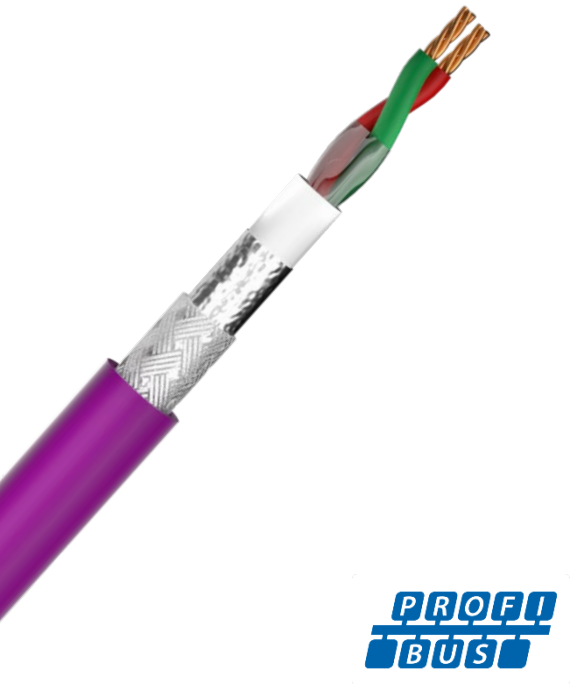
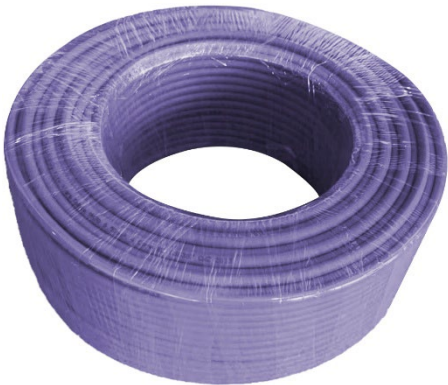


PROFIBUS, 1P 22AWG CU, PVC FILLER, OBSP, VIOLET PVC, CPR Eca, 100M



Application:

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



General			
Cable Type		Fieldbus 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	

