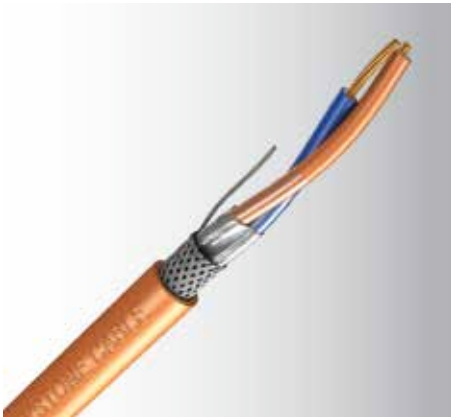


Foundation Fieldbus Cable

300V Multi Pair PE Insulated, Individual & Overall Aluminium Tape Screen,
PVC Sheathed Cable
CU/PE/ISOS/PVC



Application :	For use in data communication networks and industrial process control instruments
Construction :	Plain annealed copper wire, polyethylene or cross-linked polyethylene insulated, twisted pair, individual and overall aluminium tape with tinned copper drain wire screened, PVC sheathed cable
Insulation Colour :	Orange(+), Blue(-)
Sheath Colour :	Unarmoured - Orange (Non Ex), Blue (Ex)
Operating Temperature :	80°C

Standard Reference	FF-844 H1, IEC61158-2, BS EN 50288-7
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Part No.	No. of Pair	Conductor		Insulation		Multi Pair Cable	
		Size (AWG)	No./Dia. of Strand (no./mm)	Material	Thickness (mm)	Approx. Overall Dia. (mm)	Approx. Weight (kg/km)
	2	18	7/0.40	PE or XLPE	0.6	11.0	141
		16	7/0.52	PE or XLPE	0.6	12.7	192
	3	18	7/0.40	PE or XLPE	0.6	12.0	191
		16	7/0.52	PE or XLPE	0.6	13.5	252
	4	18	7/0.40	PE or XLPE	0.6	13.2	243
		16	7/0.52	PE or XLPE	0.6	15.0	332

Electrical Properties	18 AWG	16AWG
Max. Conductor Resistance	44 Ω / km	27.4 Ω / km
Min. Insulation Resistance	5 GΩ / km	5 GΩ / km
Nom. Mutual Capacitance	80nF / km	80nF / km
Max. Capacitance Unbalance	4nF /km	4nF /km
Characteristics Impedance	100 ± 20 Ω	100 ± 20 Ω
Min. Bending Radius	6D (Fixed), 10D (Repeated)	

Frequency (MHz)	18 AWG	16 AWG
	ATTENUATION Max (dB/100m)	ATTENUATION Max (dB/100m)
0.039	3.0	3.0