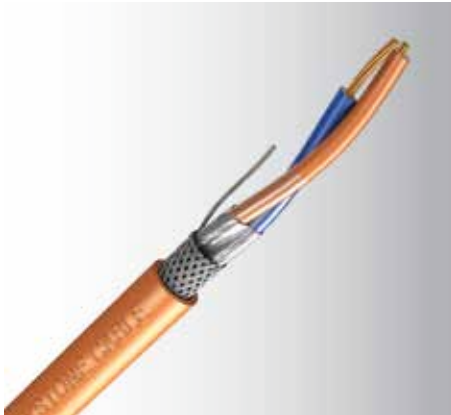


Flame Retardant Foundation Fieldbus Cable

300V Multi Pair PE Insulated, Aluminium Tape Screen,
LSZH Sheathed Cable
CU/PE/ISOS/LSZH



Application :	For use in data communication networks and industrial process control instruments, especially suitable for areas where fire would create dense smoke and toxic fumes, imposing major threat to lives and equipment
Construction :	Plain annealed copper wire, polyethylene or cross-linked polyethylene insulated, twisted pair, individual and overall aluminium tape with tinned copper drain wire screened, LSZH bedding & 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
Flame Retardant Ref.	IEC 60332-3, IEC 60754, IEC 61034

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