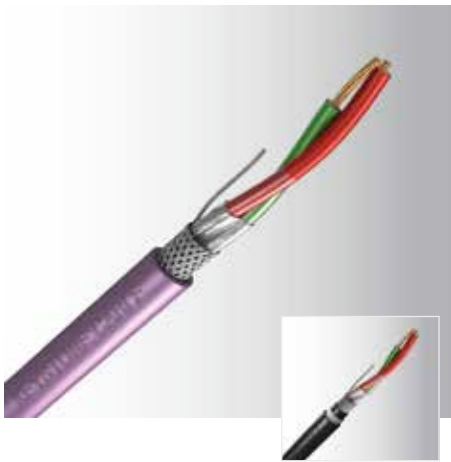


Flame Retardant Profibus - DP Cable

300V Single Pair FPE Insulated, Double Shield, Unarmoured & Armoured, LSZH Sheathed Cable
CU/FPE/OS/OBS/LSZH or CU/FPE/OS/OBS/LSZH/SWA/LSZH



Application : For applications that require time-critical communication between automation systems and distributed peripherals, especially suitable for areas where fire would create dense smoke and toxic fumes, imposing major threat to lives and equipment

Construction : Plain annealed solid or stranded copper wire, foam polyethylene with skin insulation, twisted pair, coated aluminium tape, metallic surface outward in contact with tinned copper drain wire and tinned copper wire braid, unarmoured or galvanized steel wire armoured, LSZH bedding & sheathed cable

Insulation Colour : Red(+), Green(-)

Sheath Colour : Unarmoured - Violet (Non Ex), Blue (Ex)
Armoured - Black

Operating Temperature : 80°C

Standard Reference	BS EN 50170, BS EN 50288-7, DIN 19254 T3, IEC61158-2, UL Style 2571
Flame Retardant Ref.	IEC 60332-3, IEC 60754, IEC 61034

Conductor		Insulation Thickness (mm)	Unarmoured Cable			Armoured Cable		
Size (AWG)	No./Dia. of Strand (no./mm)		Part No.	Approx. Overall Dia. (mm)	Approx. Weight (kg/km)	Part No.	Approx. Overall Dia. (mm)	Approx. Weight (kg/km)
22	1/0.64	0.6		8.0	80		12.8	370
22	7/0.25	0.6		8.4	89		13.2	382

Electrical Properties

22 AWG

Max. Conductor Resistance	110 Ω / km
Max. Screen Resistance	9.5 Ω / km
Min. Insulation Resistance	5 GΩ / km
Max. Mutual Capacitance	30nF / km
Max. Capacitance Unbalance	1500pF /km
Characteristics Impedance	150 ± 15 Ω
Min. Bending Radius	Unarmoured: 6D (Fixed), 10D (Repeated) Armoured: 10D (Fixed)

Frequency (MHz)	ATTENUATION Max (dB/100m)
0.0096	2.5
0.0384	4.0
4	22.0
16	42.0