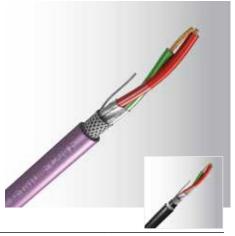
## Profibus - DP Cable

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





BS EN 50170, BS EN 50288-7, DIN 19254 T3, IEC61158-2, UL Style 2571

Application :	For applications that require time-critical communication between automation systems and distributed peripherals	
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, PVC bedding & sheathed cable	
Insulation Colour :	Red(+), Green(-)	
Sheath Colour :	ur : Unarmoured - Violet (Non Ex), Blue (Ex) Armoured - Black	
Operating Temperature :	80°C	

Cor	Conductor Insulation Unarmoured Cable		е	Armoured Cable				
Size	No./Dia. of Strand	Thickness	Part No.	Approx. Overall Dia.	Approx. Weight	Part No.	Approx. Overall Dia.	Approx. Weight
(AWG)	(no./mm)	(mm)		(mm)	(kg/km)		(mm)	(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
Min. Bending Radius	Unarmoured: 6D (Fixed), 10D (Repeated) Armoured: 10D (Fixed)
Characteristics Impedance	$150 \pm 15 \Omega$

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