

Profibus DP Fast-Connect L2/FIP PVC Single Pair Cable

pro-POWER



RoHS
Compliant

Application

This single pair Profibus DP cable for Fast-Connect, installed indoors in fixed and occasional flexing applications. A fieldbus standard that supports a wide variety of Profibus DP (Decentralized Peripherals) applications in automated manufacturing. Depending on bit rates, segment lengths of up to 1,200m can be achieved.

Characteristics

Max. Operating Voltage	: 300V
Temperature Rating	: Fixed: -40°C to +70°C Flexed: -10°C to +50°C
Minimum Bending Radius	: Fixed 12 × overall diameter

Cable Standards

IEC 61158, EN 50170
Fire Retardant according to: IEC 60332-1



UK Laboratory Tested

This product is subject to the Quality Assurance protocols of The Cable Lab®, a UKAS accredited ISO 17025 cable testing laboratory. Testing includes vertical flame, conductor resistance, tensile & elongation, and dimensional consistency, verified to published standards and approved product drawings.



Regulatory Compliance

This cable meets the requirements of the Low Voltage Directive 2014/35/EU and the RoHS Directive 2011/65/EU. RoHS compliance has been tested and confirmed by The Cable Lab® as meeting the requirements of the BSI RoHS Trusted Kitemark™.



Construction

Conductor

Solid Bare Copper Wire (22 AWG)

Insulation

Foam-Skin Polyethylene

Separator

PET (Polyester Tape)

www.element14.com
www.farnell.com
www.newark.com
www.cpc.co.uk

pro-POWER

Profibus DP Fast-Connect L2/FIP PVC Single Pair Cable



Inner Sheath

PVC (Polyvinyl Chloride)

Shield

AL/PET (Aluminium/Polyester Tape)

Braid

Tinned Copper Wires, 60% Coverage

Sheath

PVC (Polyvinyl Chloride)

Core Identification

Green and Red

Sheath Colour

Violet

Dimensions

No. of Pairs	Nominal Cross Sectional Area mm ²	Nominal Diameter of Conductor mm	Nominal Diameter of Insulation mm	Nominal Outer Diameter of Inner Sheath mm	Nominal Diameter of Outer Sheath mm	Nominal Weight kg/km
1	0.35	0.64	2.5	5.5	7.9	76

Electrical Characteristics at 20°C

Max. DC Loop Conductor Resistance Ω/km	Max. DC Conductor Resistance Ω/km	Capacitance at 800 Hz nF/km	Impedance (3÷20 MHz) Ω (±10%)	Maximum Attenuation dB/km			
				9.6kHz	38.4kHz	4kHz	16kHz
115	57.5	29	150	0.3	0.5	2.1	4

Dielectric Strength kV AC / 1 min		Minimum Insulation Resistance GΩ × km	Maximum Installation Pulling N
Cond/Cond	Cond/Shield		
1.5	1.5	5	100

Part Number Table

Description	Reel Length	Part Number
Profibus DP Fast-Connect L2/FIP PVC Single Pair Cable	100m	PP001544

Important Notice : This data sheet and its contents (the "Information") belong to the members of the Premier Farnell group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. pro-POWER is the registered trademark of the Group. © Premier Farnell Limited 2016.

X-ON Electronics

Authorized Distributor

Click to view similar products for [Pro Power manufacturer](#).

Other Similar products are found below :

[PPCY4C075100M](#) [PPCY3C10050M](#) [PPC217](#) [PP001328](#) [PP001316](#) [PP001109](#) [PP001088](#)

[PP000940](#) [PP030](#) [PP000909](#) [PP001326](#) [PP001308](#) [PP000877](#) [PP000868](#) [PP000704](#)

[PP001163](#) [PP001156](#) [PP001085](#) [PP000510](#) [PP001076](#) [PP000944](#) [PP000914](#) [PP000407](#)

[PP000386](#) [PP000870](#)