

Flexible Screened Bedded LSZH Multicore Cable

pro-POWER



RoHS
Compliant

Application

Pro-Power halogen-free flexible screened connecting cables for use in mechanical engineering for instrumentation and control equipment and for tooling machinery production lines. Suitable for flexible applications for free movement without tensile load, in dry, moist and wet rooms. The screen protects against external interference pulses and whilst the bedding provides additional mechanical protection. These cables are not used for outdoor or underground installation.

Characteristics

Voltage Rating	: 300/500V
Test Voltage	: 2kV
Temperature Rating	: Fixed: -40°C to +80°C Flexed: -15°C to +70°C
Minimum Bending Radius	: Fixed: 6 × overall diameter Moved: 15 × overall diameter

Cable Standards

VDE 0295, VDE 0207-303-7, VDE 0293-308, VDE 0285-525-2-51, VDE 0285-525-3-11, VDE 0482-332-1-2, VDE 0819-102
Flame Retardant according to IEC 60332-3-24, IEC 60332-1-2
Low Smoke Density / Halogen free according to IEC 61034-2, IEC 60754-1/2



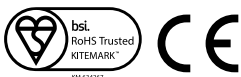
UK Laboratory Tested

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

Class 5 flexible plain copper wires

Insulation

LSZH (Low Smoke Zero Halogen)

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

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Bedding

LSZH (Low Smoke Zero Halogen)

Screen

TCWB (Tinned Copper Wire Braid)

Sheath

LSZH (Low Smoke Zero Halogen)

Core Identification

Black with white number

From 3 cores: Black with white number + Green/Yellow

Sheath Colour

Grey

Dimensions

Part Number	No. of Cores	Nominal Cross Sectional Area mm ²	Nominal Thickness of Insulation mm	Nominal Thickness of Sheath mm	Nominal Overall Diameter mm	Nominal Weight kg/km
PP001530	2	0.5	0.4	0.8	6.8	77
PP001531	3	1.5	0.4	1	9	152
PP001532	3	2.5	0.5	1.1	11.1	243
PP001533	5	1.5	0.4	1.1	10.5	208
PP001534	5	4	0.6	1.3	14.9	463
PP001535	7	1.5	0.4	1.1	11.2	251
PP001536	7	4	0.6	1.4	16.2	588
PP001537	12	1.5	0.4	1.4	14.8	414
PP001538	18	1.5	0.4	1.5	17	569

Electrical Characteristics

Nominal Cross Sectional Area mm ²	Current Carrying Capacities 30°C Continuous Loading A	Maximum Resistance of Conductor at 20°C Ω/km
0.5	9	39
1.5	18	13.3
2.5	26	7.98
4	34	4.95

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Part Number Table

Description	No. of Cores	Nominal Cross Sectional Area mm ²	Reel Length	Part Number
Flexible Screened Bedded LSZH Multicore Cable	2	0.5	50m	PP001530
	3	1.5		PP001531
	3	2.5		PP001532
	5	1.5		PP001533
	5	4		PP001534
	7	1.5		PP001535
	7	4		PP001536
	12	1.5		PP001537
	18	1.5		PP001538

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