

RoHS
Compliant



Application

This 4-core double-screened low capacitance motor supply cable is ideal for frequency converters. The screen protects against external interference pulses and ensures an interference-free transmission.

Characteristics

Voltage Rating	: 0.6/1kV
Test Voltage	: 4kV
Temperature Rating	: Fixed: -30°C to +80°C Flexed: -5°C to +40°C
Minimum Bending Radius	: Fixed: 7.5 × overall diameter Flexed: 15 × overall diameter

Cable Standards

IEC 60228, DIN EN 50267-2, IEC 60754-1&2
Flame Retardant according to DIN EN 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

XLPE (Cross-linked Polyethylene)

Separator

Aluminium Tape

Screen 1

Al/PET (Aluminium Polyester Tape)

Screen 2

TCWB (Tinned Copper Wire Braid)

Sheath

FRNC-LSZH (Flame Retardant Non Corrosive - Low Smoke Zero Halogen)

Core Identification

Green/Yellow, Brown, Black and Grey

Sheath Colour

Black

Dimensions

Part Number	No. of Cores	Nominal Cross Sectional Area mm ²	Nominal Overall Diameter mm	Nominal Weight kg/km
PP001539	4	1.5	9.8	159
PP001540		2.5	11.4	225
PP001541		4	12.7	297
PP001542		6	14.1	398

Electrical Characteristics

Nominal Cross Sectional Area mm ²	Current Carrying Capacities 30°C Continuous Loading	Maximum Resistance of Conductor at 20°C
	A	Ω/km
1.5	18	13.3
2.5	26	7.98
4	34	4.95
6	44	3.3

Part Number Table

Description	Nominal Cross Sectional Area mm ²	Reel Length	Part Number
Flexible 2XSLCH LSZH Servo Cable	1.5	50m	PP001539
	2.5		PP001540
	4		PP001541
	6		PP001542

Important Notice : This data sheet and its contents (the "Information") belong to the members of the AVNET 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. Multicomp Pro is the registered trademark of Premier Farnell Limited 2019.