

YY LSZH (HLSH) Multicore Flexible Unscreened Control Cable

multicomp^{PRO}

RoHS
Compliant



Application

The low smoke halogen-free flexible connecting cable for instrumentation and control equipment for tooling machinery, production lines, and in flexible applications with free movement and no tensile load. Suitable for use in dry, ambient and wet rooms. These cables are not suitable for outdoor or underground installations.

YY control cables are not suitable for fixed wiring applications requiring compliance with the regulations set out in BS7671.

Characteristics

Voltage Rating	:	300/500V
Test Voltage	:	4kV
Temperature Rating	:	Fixed : -40°C to +80°C Flexed : -15°C to +70°C
Min. Bending Radius	:	Fixed : 6 × overall diameter Flexed : 15 × overall diameter

BSI Kitemark™ Tested



Cables are tested and verified by The Cable Lab® to confirm they meet the quality standards required of the BSI Cable Batch Verification Kitemark™

Cable Standards

VDE 0207-303-7, VDE 0285-525-1, VDE 0285-525-2-51, VDE 0482-332-1-2, IEC 60754-1/2

Flame Retardant according to IEC 60332-1-2, IEC 60332-3-24 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.



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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)
Sheath	: LSZH (Low Smoke Zero Halogen)
Core Identification	: Black with white numbers 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 Outer Sheath Thickness mm	Nominal Overall Diameter mm	Nominal Weight kg/km
PP000501	2	0.75	0.4	0.7	5.2	46
PP000502	2	1	0.4	0.7	5.6	56
PP000503	2	1.5	0.4	0.8	6.4	73
PP000504	2	2.5	0.5	0.9	7.6	113
PP000505	3	0.75	0.4	0.7	5.5	55
PP000506	3	1	0.4	0.8	6.1	69
PP000507	3	1.5	0.4	0.8	6.8	91
PP000508	3	2.5	0.5	0.9	8.3	140
PP000509	4	0.75	0.4	0.8	6.2	70
PP000510	4	1	0.4	0.8	6.7	85
PP000511	4	1.5	0.4	0.9	7.6	116
PP000512	4	2.5	0.5	1	9.3	179

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
0.75	12	26
1	15	19.5
1.5	18	13.3
2.5	23	7.98

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Part Number Table

Description	No. of Cores	Reel Length	Part Number
YY LSZH (HLSH) Multicore Flexible Unscreened Control Cable	2	100m	PP000501
			PP000502
			PP000503
			PP000504
	3		PP000505
			PP000506
			PP000507
			PP000508
	4		PP000509
			PP000510
			PP000511
			PP000512

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