

CY LSZH (HSLCH) Multicore Flexible Screened Control Cable

multicomp PRO

**RoHS
Compliant**



Application

The low smoke halogen-free flexible screened cable for instrumentation and control equipment in tooling machinery, production lines, and flexible applications with free movement without tensile load. Suitable for use in dry, ambient and wet rooms. The screen protects against external interference pulses for interference-free transmission. 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
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, VDE 0482-332-3-24, VDE 0482-754-1/2, VDE 0482-1034-2

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.



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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)
Screen	: TCWB (Tinned Copper Wire Braid)
Sheath	: LSZH (Low Smoke Zero Halogen)
Core Identification	: Black with white numbers From 3 cores: Black with white number + Green/Yellow
Separator	: PET (Polyester Tape)
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
PP000488	2	0.75	0.4	0.6	5.5	45
PP000489		1	0.4	0.7	6.1	56
PP000490		1.5	0.4	0.7	6.7	69
PP000491	3	0.75	0.4	0.7	6	61
PP000492		1	0.4	0.7	6.4	71
PP000493		1.5	0.4	0.7	7.1	90
PP000494	4	0.75	0.4	0.7	6.5	75
PP000495		1	0.4	0.7	7	89
PP000496		1.5	0.4	0.7	7.7	114

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

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Part Number Table

Description	No. of Cores	Reel Length	Part Number
CY LSZH (HSLCH) Multicore Flexible Screened Control Cable	2	100m	PP000488
			PP000489
			PP000490
	3		PP000491
			PP000492
			PP000493
	4		PP000494
			PP000495
			PP000496

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