Flexible Screened CY PVC (YSLYCY)
Multicore Control Cable

pro-POWER

RoHS Compliant

Application

This flexible screened connecting cable is ideal for instrumentation and control equipment, for tooling machinery production lines and, in flexible applications for free movement without tensile load. Suitable for use in dry, moist and wet rooms. This cable is not used for outdoor or underground installation.

CY 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: -5°C to +70°C
Minimum Bending Radius	: Fixed: 4 × overall diameter Flexed: 12.5 × overall diameter

Cable Standards

VDE 0207-363-3, VDE 0285-525-2-51, VDE 0285-525-1, VDE 0285-525-2-11, VDE 0482-332-1-2, VDE 819-102 (TM54)
Flame Retardant according to IEC 60332-1-2

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.

UKAS TESTING 8578

bsi. ISO 9001 Quality Management | ISO 14001 Environmental Management | ISO 17025 UKAS Accredited Cable Testing Laboratory | OHSAS 18001 Occupational Health and Safety Management

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™.

bsi. RoHS Trusted KITEMARK™ KM 634267

Construction

Conductor
Class 5 flexible plain copper wires

Insulation
PVC (Polyvinyl Chloride)

Flexible Screened CY PVC (YSLYCY)
Multicore Control Cable

pro-POWER

Separator
PET (Polyester Tape)

Screen
TCWB (Tinned Copper Wire Braid)

Sheath
PVC (Polyvinyl Chloride)

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 mm²	Nominal Thickness of Insulation mm	Nominal Thickness of Sheath mm	Nominal Overall Diameter mm	Nominal Weight kg/km
PP001555	2	0.5	0.4	0.6	5	35
PP001556	2	0.75	0.4	0.6	5.5	45
PP001557	2	1	0.4	0.7	6.1	56
PP001558	3	0.5	0.4	0.6	5.4	48
PP001559	3	0.75	0.4	0.7	6	61
PP001560	3	1	0.4	0.7	6.4	71
PP001561	3	1.5	0.4	0.7	7.1	90
PP001562	3	2.5	0.5	0.8	8.6	136
PP001563	4	0.5	0.4	0.7	6	61
PP001564	4	0.75	0.4	0.7	6.5	75
PP001565	4	1	0.4	0.7	7	89
PP001566	4	1.5	0.4	0.7	7.7	114
PP001567	4	2.5	0.5	0.8	9.4	173
PP001568	5	0.5	0.4	0.7	6.5	73
PP001569	5	0.75	0.4	0.7	7	89
PP001570	5	1	0.4	0.7	7.6	107
PP001571	5	1.5	0.4	0.8	8.6	142
PP001572	5	2.5	0.5	0.9	10.4	216
PP001573	7	0.5	0.4	0.7	7	89
PP001574	7	0.75	0.4	0.7	7.6	112
PP001575	7	1	0.4	0.8	8.4	139
PP001576	7	1.5	0.4	0.8	9.3	180
PP001577	7	2.5	0.5	1	11.5	283

Flexible Screened CY PVC (YSLYCY)
Multicore Control Cable

pro-POWER

Part Number	No. of Cores	Nominal Cross Sectional Area mm²	Nominal Thickness of Insulation mm	Nominal Thickness of Sheath mm	Nominal Overall Diameter mm	Nominal Weight kg/km
PP001551	12	0.5	0.4	0.8	9.2	143
PP001552	12	0.75	0.4	0.8	10	181
PP001553	12	1	0.4	1	11.2	230
PP001554	12	1.5	0.4	1.1	12.7	307

Electrical Characteristics

Nominal Cross Sectional Area mm²	Current Carrying Capacities 30°C Continuous Loading A	Maximum Resistance of Conductor at 20°C Ω/km
0.5	9	39
0.75	12	26
1	15	19.5
1.5	18	13.3
2.5	26	7.98

Part Number Table

Description	No. of Cores	Nominal Cross Sectional Area mm²	Reel Length	Part Number
Flexible Screened CY PVC (YSLYCY) Multicore Control Cable	2	0.5	50m	PP001555
	2	0.75		PP001556
	2	1		PP001557
	3	0.5		PP001558
	3	0.75		PP001559
	3	1		PP001560
	3	1.5		PP001561
	3	2.5		PP001562
	4	0.5		PP001563
	4	0.75		PP001564
	4	1		PP001565
	4	1.5		PP001566
	4	2.5		PP001567
	5	0.5		PP001568
	5	0.75		PP001569

Flexible Screened CY PVC (YSLYCY) Multicore Control Cable

pro-POWER

Description	No. of Cores	Nominal Cross Sectional Area mm²	Reel Length	Part Number
Flexible Screened CY PVC (YSLYCY) Multicore Control Cable	5	1	50m	PP001570
	5	1.5		PP001571
	5	2.5		PP001572
	7	0.5		PP001573
	7	0.75		PP001574
	7	1		PP001575
	7	1.5		PP001576
	7	2.5		PP001577
	12	0.5		PP001551
	12	0.75		PP001552
	12	1		PP001553
	12	1.5		PP001554