CY PVC (YSLCY) Control Cable

APPLICATION

Veriflex® screened flexible connecting cables 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. These cables are not used for outdoor or underground installation.

CHARACTERISTICS

Voltage Rating
300/500V

Temperature Rating
Fixed: -40°C to +80°C
Flexed: -5°C to +70°C

Minimum Bending Radius
Fixed: 4 x overall diameter
Flexed: 12.5 x overall diameter

CONSTRUCTION

Conductor
Class 5 flexible plain copper

Insulation
PVC (Polyvinyl Chloride)

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
Colour-coded cores available upon request

Sheath Colour
● Grey

STANDARDS

VDE 0207-363-3, VDE 819-102 (TM54)

Flame Retardant according to IEC/EN 60332-1-2

REGULATORY COMPLIANCE

This cable is compliant with European Regulation EN 50575, the Construction Products Regulation.

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™.

DIMENSIONS

	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm²	NOMINAL THICKNESS OF INSULATION mm	NOMINAL THICKNESS OF OUTER SHEATH mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
V0302001GR000	2	0.5	0.40	0.6	5	35
V0302011GR000	2	0.75	0.40	0.6	5.5	45
V0302021GR000	2	1	0.40	0.7	6.1	56
V0302031GR000	2	1.5	0.40	0.7	6.7	69
V0303001GR000	3	0.5	0.40	0.6	5.4	48
V0303011GR000	3	0.75	0.40	0.7	6	61
V0303021GR000	3	1	0.40	0.7	6.4	71
V0303031GR000	3	1.5	0.40	0.7	7.1	90
V0303041GR000	3	2.5	0.50	0.8	8.6	136
V0304001GR000	4	0.5	0.40	0.7	6	61
V0304011GR000	4	0.75	0.40	0.7	6.5	75
V0304021GR000	4	1	0.40	0.7	7	89
V0304031GR000	4	1.5	0.40	0.7	7.7	114
V0304041GR000	4	2.5	0.50	0.8	9.4	173
V0304051GR000	4	4	0.60	1	11.5	260
V0304061GR000	4	6	0.65	1.1	13.1	358
V0304071GR000	4	10	0.75	1.3	16.7	593
V0304081GR000	4	16	0.75	1.5	19	852
V0304091GR000	4	25	0.90	1.6	23.5	1274
V0304101GR000	4	35	0.95	1.7	26.9	1686
V0305001GR000	5	0.5	0.40	0.7	6.5	73
V0305011GR000	5	0.75	0.40	0.7	7	89
V0305021GR000	5	1	0.40	0.7	7.6	107
V0305031GR000	5	1.5	0.40	0.8	8.6	142
V0305041GR000	5	2.5	0.50	0.9	10.4	216
V0305051GR000	5	4	0.60	1.1	12.7	325
V0305061GR000	5	6	0.65	1.2	14.6	449
V0305071GR000	5	10	0.75	1.4	18.5	738
V0305081GR000	5	16	0.75	1.5	20.9	1050
V0305091GR000	5	25	0.90	1.7	26.1	1588
V0307001GR000	7	0.5	0.40	0.7	7	89
V0307011GR000	7	0.75	0.40	0.7	7.6	112
V0307021GR000	7	1	0.40	0.8	8.4	139
V0307031GR000	7	1.5	0.40	0.8	9.3	180
V0307041GR000	7	2.5	0.50	1	11.5	283
V0312001GR00000	12	0.5	0.40	0.8	9.2	143
V0312011GR00000	12	0.75	0.40	0.8	10	181
V0312021GR00000	12	1	0.40	1	11.2	230
V0312031GR00000	12	1.5	0.40	1.1	12.7	307
V0318011GR00000	18	0.75	0.40	1.1	12.2	274
V0318021GR00000	18	1	0.40	1.1	13.2	331
V0318031GR00000	18	1.5	0.40	1.2	14.9	443
V0325011GR00000	25	0.75	0.40	1.1	13.2	282
V0325021GR00000	25	1	0.40	1.2	15.8	444
V0325031GR00000	25	1.5	0.40	1.3	17.9	596

ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm²	CURRENT CARRYING CAPACITES 30°C CONTINOUS LOADING A	MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C ohms/km
0.5	9	39
0.75	12	26
1	15	19.5
1.5	18	13.3
2.5	26	7.98
4	34	4.95
6	44	3.3
10	61	1.91
16	82	1.21
25	108	0.780
35	135	0.554