PVC (YSLY) Control Cable

APPLICATION

YY multicore control cable is engineered for instrumentation and control systems, extensively used in tooling machinery and automated production lines. It is designed for flexible applications requiring free movement without tensile load. Suitable in dry, ambient and wet rooms. These indoor cablesare not used for external or underground installation.

CHARACTERISTICS

Voltage Rating Uo/U
300/500V

Temperature Rating
Fixed: -20°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)

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 0482-332-1-2, VDE 819-102 (TM54)

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

THE CABLE LAB®

AN ISO/IEC 17025 AND IECEE CBTL ACCREDITED FACILITY

Our world-class testing facility assures the quality and compliance of this cable through a continuous and rigorous testing regime.

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, the RoHS Directive 2015/65/EU and Reach Directive EC 1907/2006. RoHS compliance has been tested and confirmed by The Cable Lab®.

DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm^2	NOMINAL THICKNESS OF INSULATION mm	NOMINAL THICKNESS OF OUTER SHEATH mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
V0102001GR000	2	0.5	0.40	0.7	4.8	36
V0102011GR000	2	0.75	0.40	0.7	5.2	46
V0102021GR000	2	1	0.40	0.7	5.6	56
V0102031GR000	2	1.5	0.40	0.8	6.4	73
V0102041GR000	2	2.5	0.50	0.9	7.6	113
V0103001GR000	3	0.5	0.40	0.7	5.1	44
V0103011GR000	3	0.75	0.40	0.7	5.5	55
V0103021GR000	3	1	0.40	0.8	6.1	69
V0103031GR000	3	1.5	0.40	0.8	6.8	91
V0103041GR000	3	2.5	0.50	0.9	8.3	140
V0103051GR000	3	4	0.60	1	10	210
V0103061GR000	3	6	0.65	1.10	11.5	293
V0103071GR000	3	10	0.75	1.40	14.9	500
V0103081GR000	3	16	0.75	1.50	16.8	704
V0103091GR000	3	25	0.90	1.80	21.1	1080
V0104001GR000	4	0.5	0.40	0.7	5.5	54
V0104011GR000	4	0.75	0.40	0.8	6.2	70
V0104021GR000	4	1	0.40	0.8	6.7	85
V0104031GR000	4	1.5	0.40	0.9	7.6	116
V0104041GR000	4	2.5	0.50	1	9.3	179
V0104051GR000	4	4	0.60	1.10	11.2	269
V0104061GR000	4	6	0.65	1.20	12.8	374
V0104071GR000	4	10	0.75	1.50	16.6	608
V0104081GR000	4	16	0.75	1.60	18.7	844
V0104091GR000	4	25	0.90	2	23.6	1327
V0104101GR000	4	35	0.95	2.20	27.2	1790
V0105001GR000	5	0.5	0.40	0.8	6.2	64
V0105011GR000	5	0.75	0.40	0.8	6.7	83
V0105021GR000	5	1	0.40	0.9	7.5	104
V0105031GR000	5	1.5	0.40	0.9	8.3	136
V0105041GR000	5	2.5	0.50	1.10	10.3	213
V0105051GR000	5	4	0.60	1.20	12.4	321
V0105061GR000	5	6	0.65	1.30	14.3	447
V0105071GR000	5	10	0.75	1.60	18.4	760
V0105081GR000	5	16	0.75	1.80	20.9	1064
V0105091GR000	5	25	0.90	2.20	26.4	1673
V0105101GR000	5	35	0.95	2.40	30.3	2252
V0107001GR000	7	0.5	0.40	0.8	6.7	81
V0107011GR000	7	0.75	0.40	0.9	7.5	108
V0107021GR000	7	1	0.40	0.9	8.1	130
V0107031GR000	7	1.5	0.40	1	9.2	177
V0107041GR000	7	2.5	0.50	1.10	11.2	277
V0107051GR000	7	4	0.60	1.30	13.7	423
V0107061GR000	7	6	0.65	1.40	15.7	593
V0108011GR000	8	0.75	0.40	0.9	8.1	120
V0108021GR000	8	1	0.40	1	9	150
V0108031GR000	8	1.5	0.40	1	10	200

ELAND PART NO.	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
V0112001GR00000	12	0.5	0.40	1	9.1	139
V0112011GR00000	12	0.75	0.40	1	9.9	179
V0112021GR00000	12	1	0.40	1.10	10.9	225
V0112031GR00000	12	1.5	0.40	1.20	12.4	302
V0112041GR00000	12	2.5	0.50	1.4	15.3	478
V0118001GR00000	18	0.5	0.40	1.1	10.7	201
V0118011GR00000	18	0.75	0.40	1.20	11.9	230
V0118021GR00000	18	1	0.40	1.20	12.9	324
V0118031GR00000	18	1.5	0.40	1.40	14.8	446
V0118041GR00000	18	2.5	0.50	1.60	18.2	704
V0125001GR00000	25	0.5	0.40	1.2	12.9	285
V0125011GR00000	25	0.75	0.40	1.30	14.3	372
V0125021GR00000	25	1	0.40	1.40	15.7	462
V0125031GR00000	25	1.5	0.40	1.60	18	627
V0125041GR00000	25	2.5	0.50	1.90	22.3	997
V0134011GR00000	34	0.75	0.40	1.50	16.3	492
V0134021GR00000	34	1	0.40	1.60	17.9	617
V0134031GR00000	34	1.5	0.40	1.70	20.2	833
V0134041GR00000	34	2.5	0.50	2.10	25.2	1337
V0150021GR00000	50	1	0.40	1.80	21	869
V0150031GR00000	50	1.5	0.40	2	23.8	1186
V0150041GR00000	50	2.5	0.50	2.40	29.6	1898
V0161021GR00000	61	1	0.40	1.90	22.7	1031

ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm^2	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

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