

CY Control Cable (YSLYSY)



Application

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.

Standards

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

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

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)

Sheath Colour

Grey

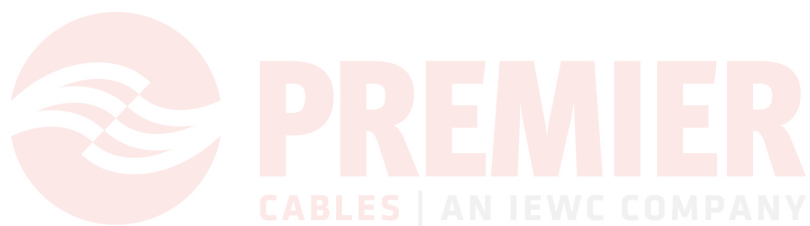


Dimensions

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
2	0.5	0.40	0.6	5	35
2	0.75	0.40	0.6	5.5	45
2	1	0.40	0.7	6.1	56
2	1.5	0.40	0.7	6.7	69
3	0.5	0.40	0.6	5.4	48
3	0.75	0.40	0.7	6	61
3	1	0.40	0.7	6.4	71
3	1.5	0.40	0.7	7.1	90
3	2.5	0.50	0.8	8.6	136
4	0.5	0.40	0.7	6	61
4	0.75	0.40	0.7	6.5	75
4	1	0.40	0.7	7	89
4	1.5	0.40	0.7	7.7	114
4	2.5	0.50	0.8	9.4	173
4	4	0.60	1	11.5	260
4	6	0.65	1.1	13.1	358
4	10	0.75	1.3	16.7	593
4	16	0.75	1.5	19	852
4	25	0.90	1.6	23.5	1274
4	35	0.95	1.7	26.9	1686
5	0.5	0.40	0.7	6.5	73
5	0.75	0.40	0.7	7	89
5	1	0.40	0.7	7.6	107
5	1.5	0.40	0.8	8.6	142
5	2.5	0.50	0.9	10.4	216
5	4	0.60	1.1	12.7	325
5	6	0.65	1.2	14.6	449
5	10	0.75	1.4	18.5	738
5	16	0.75	1.5	20.9	1050
5	25	0.90	1.7	26.1	1588
7	0.5	0.40	0.7	7	89
7	0.75	0.40	0.7	7.6	112
7	1	0.40	0.8	8.4	139
7	1.5	0.40	0.8	9.3	180
7	2.5	0.50	1	11.5	283
12	0.5	0.40	0.8	9.2	143
12	0.75	0.40	0.8	10	181
12	1	0.40	1	11.2	230
12	1.5	0.40	1.1	12.7	307
18	0.75	0.40	1.1	12.2	274
18	1	0.40	1.1	13.2	331
18	1.5	0.40	1.2	14.9	443
25	0.75	0.40	1.1	13.2	282
25	1	0.40	1.2	15.8	444
25	1.5	0.40	1.3	17.9	596

Electrical Characteristics

NOMINAL CROSS SECTIONAL AREA mm ²	CURRENT CARRYING CAPACITIES 30°C CONTINUOUS 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



The information contained within this datasheet is for guidance only and is subject to change without notice or liability. All the information is provided in good faith and is believed to be correct at the time of publication. When selecting cable accessories, please note that actual cable dimensions may vary due to manufacturing tolerances.