APPLICATION

Flexible YY control cable for instrumentation and control equipment, for tooling machinery production lines, and in flexible applications for free movement without tensile load. Suitable in dry, ambient and wet rooms. These indoor cables are not used for external or underground installation.

CHARACTERISTICS

Voltage Rating Uo/U

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)

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

DIMENSIONS

NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm2	NOMINAL THICKNESS OF INSULATION mm	NOMINAL OUTER SHEATH THICKNESS mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
2	0.5	0.40	0.7	4.8	36
2	0.75	0.40	0.7	5.2	46
2	1	0.40	0.7	5.6	56

2	1.5	0.40	0.8	6.4	73
2	2.5	0.50	0.9	7.6	113
3	0.5	0.40	0.7	5.1	44
3	0.75	0.40	0.7	5.5	55
3	1	0.40	0.8	6.1	69
3	1.5	0.40	0.8	6.8	91
3	2.5	0.50	0.9	8.3	140
3	4	0.60	1	10	210
3	6	0.65	1.10	11.5	293
3	10	0.75	1.40	14.9	500
3	16	0.75	1.50	16.8	704
3	25	0.90	1.80	21.1	1080
4	0.5	0.40	0.7	5.5	54
4	0.75	0.40	0.8	6.2	70
4	1	0.40	0.8	6.7	85
4	1.5	0.40	0.9	7.6	116
4	2.5	0.50	1	9.3	179
4	4	0.60	1.10	11.2	269
4	6	0.65	1.20	12.8	374
4	10	0.75	1.50	16.6	608
4	16	0.75	1.60	18.7	844
4	25	0.90	2	23.6	1327
4	35	0.95	2.20	27.2	1790
5	0.5	0.40	0.8	6.2	64
5	0.75	0.40	0.8	6.7	83
5	1	0.40	0.9	7.5	104
5	1.5	0.40	0.9	8.3	136
5	2.5	0.50	1.10	10.3	213
5	4	0.60	1.20	12.4	321
5	6	0.65	1.30	14.3	447
5	10	0.75	1.60	18.4	760
5	16	0.75	1.80	20.9	1064
5	25	0.90	2.20	26.4	1673
5	35	0.95	2.40	30.3	2252
7	0.5	0.40	0.8	6.7	81
7	0.75	0.40	0.9	7.5	108
7	1	0.40	0.9	8.1	130
7	1.5	0.40	1	9.2	177
7	2.5	0.50	1.10	11.2	277
7	4	0.60	1.30	13.7	423
7	6	0.65	1.40	15.7	593
8	0.75	0.40	0.9	8.1	120
8	1	0.40	1	9	150
8	1.5	0.40	1	10	200

12	0.5	0.40	1	9.1	139
12	0.75	0.40	1	9.9	179
12	1	0.40	1.10	10.9	225
12	1.5	0.40	1.20	12.4	302
12	2.5	0.50	1.4	15.3	478
18	0.5	0.40	1.1	10.7	201
18	0.75	0.40	1.20	11.9	230
18	1	0.40	1.20	12.9	324
18	1.5	0.40	1.40	14.8	446
18	2.5	0.50	1.60	18.2	704
25	0.5	0.40	1.2	12.9	285
25	0.75	0.40	1.30	14.3	372
25	1	0.40	1.40	15.7	462
25	1.5	0.40	1.60	18	627
25	2.5	0.50	1.90	22.3	997
34	0.75	0.40	1.50	16.3	492
34	1	0.40	1.60	17.9	617
34	1.5	0.40	1.70	20.2	833
34	2.5	0.50	2.10	25.2	1337
50	1	0.40	1.80	21	869
50	1.5	0.40	2	23.8	1186
50	2.5	0.50	2.40	29.6	1898
61	1	0.40	1.90	22.7	1031

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