



Control Cable

CY 300/500V

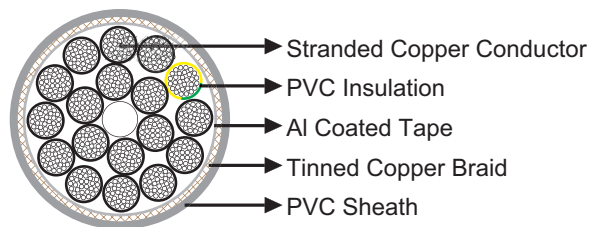
» Application

These screened cables are designed for use as a data cable in control circuits, in tool-making and machine industries as well as a signal cable in computer systems and electronics. PVC inner sheath has been replaced in these cables by a stabilising foil separator, thus reducing the total diameter of the cables considerably and thereby reducing the bending radius, total weight etc..

» Standards

DIN VDE 0245

» Construction



Conductor: Stranded bare copper, class 5 according to DIN VDE 0295/IEC60228.

Insulation: PVC Type YI 2.

Separator: Al coated tape.

Screen: Tinned copper braid.

Sheath: PVC Type YM 2/TM 2.

» Technical Data

Rated Voltage U _o /U (Um)	300/500V
Operating Temperatures	flexing: -15°C~+70°C; fixed: -40°C~+70°C
Minimum Bending Radius	flexing: 20×OD; fixed: 10×OD
Flame Retardant	IEC 60332-1
Ozone Resistant	Yes
Silicone Free	Yes
Lead Free	Yes



» Dimensions and Weight

Construction	Nominal Overall Diameter	Nominal Weight
No. of cores Gmm ²	mm	kg/km
2×0.5	5.4	45
3G0.5	5.8	53
4G0.5	6.3	63
5G0.5	6.7	76
6G0.5	7.2	87
7G0.5	7.3	107
8G0.5	7.7	109
12G0.5	9.2	140
18G0.5	10.2	179
25G0.5	13.3	256
2G0.75	6.0	54
3G0.75	6.3	65
4G0.75	6.8	77
5G0.75	7.3	91
6G0.75	7.8	102
7G0.75	7.8	115
8G0.75	8.3	137
12G0.75	10.1	177
18G0.75	11.6	250
25G0.75	13.9	326
34G0.75	15.6	406
50G0.75	19.0	576
2×1	6.2	60
3G1	6.5	73
4G1	7.0	89
5G1	7.6	105
6G1	8.2	110
7G1	8.4	139
8G1	9.0	157
12G1	10.4	207
18G1	12.4	295
25G1	14.9	384
34G1	16.6	530
50G1	19.6	1020
2×1.5	6.8	70
3G1.5	7.2	90
4G1.5	7.8	108
5G1.5	8.4	125



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Construction No. of cores Gmm ²	Nominal Overall Diameter mm	Nominal Weight kg/km
7G1.5	9.3	160
8G1.5	10.0	204
12G1.5	11.8	279
18G1.5	14.0	350
25G1.5	16.9	530
34G1.5	18.9	720
42G1.5	20.1	820
2×2.5	8.0	104
3G2.5	8.6	140
4G2.5	9.4	173
5G2.5	10.0	206
7G2.5	10.8	267
12G2.5	14.6	432
2×4	9.8	185
4G4	11.1	236
5G4	12.1	288
7G4	14.0	500
2×6	11.7	268
3G6	12.5	330
4G6	12.8	339
5G6	14.2	416
7G6	16.9	672
2×10	14.7	425
3G10	15.7	500
4G10	17.3	783
5G10	19.2	856
7G10	21.4	1305
4G16	20.8	880
5G16	22.6	1295
4G25	24.9	1570
5G25	27.8	1965
4G35	28.4	2070
5G35	31.6	2690
4G50	34.6	3015

G: with green-yellow earth core

×: without green-yellow earth core