



Y 300/500V

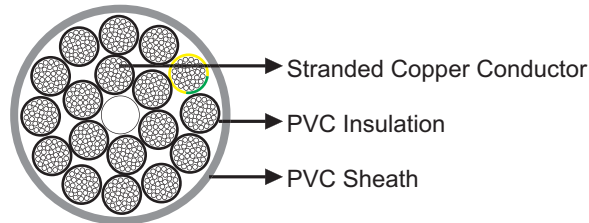
» Application

These cables are designed for flexible use for mechanical stresses as measuring, control and regulating cables in tool machines, conveyor belts, and production lines in machinery production, in air-conditioning and in steel production, suitable for dry, moist and wet rooms.

» Standards

DIN VDE 0245

» Construction



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

Insulation: PVC Type YI 2.

Sheath: PVC Type YM 2/TM 2.

» Technical Data

Rated Voltage U ₀ /U (U _m)	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	VDE 0482-332-1-2/DIN EN 60332-1-2/IEC 60332-1
Oil Resistant	Yes
Ozone Resistant	Yes
Silicone Free	Yes
Lead Free	Yes



Control Cable

» Dimensions and Weight

Construction	Nominal Overall Diameter	Nominal Weight
No. of cores×mm ²	mm	kg/km
2×0.5	4.7	32
3G0.5	5.1	39
4G0.5	5.4	46
5G0.5	6.2	57
6G0.5	7.2	64
7G0.5	6.6	70
8G0.5	7.0	77
10G0.5	8.4	97
12G0.5	8.6	110
16G0.5	10.1	148
18G0.5	10.1	160
21G0.5	11.4	188
25G0.5	12.5	219
30G0.5	13.2	264
34G0.5	13.8	283
40G0.5	14.8	333
42G0.5	15.4	353
50G0.5	17.4	441
65G0.5	19.4	556
80G0.5	21.2	680
100G0.5	23.4	844
2×0.75	5.1	39
3×0.75	5.4	50
3G0.75	5.4	50
4G0.75	5.9	60
5G0.75	6.7	72
6G0.75	6.9	81
7G0.75	7.1	90
8G0.75	7.4	100
9G0.75	8.1	128
10G0.75	9.1	124
12G0.75	9.4	146
14G0.75	9.9	166
15G0.75	10.6	182
16G0.75	10.8	215
18G0.75	11.1	211
21G0.75	12.4	254
25G0.75	13.4	289



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Control Cable

Construction No. of cores×mm ²	Nominal Overall Diameter mm	Nominal Weight kg/km
32G0.75	14.9	380
34G0.75	15.1	378
41G0.75	16.0	452
42G0.75	16.0	461
50G0.75	18.1	559
61G0.75	19.8	673
65G0.75	20.7	774
80G0.75	22.1	879
100G0.75	24.6	1084
2×1	5.3	49
3×1	5.8	57
3G1	5.6	60
4×1	6.1	69
4G1	6.5	69
5G1	6.7	83
6G1	7.0	101
7G1	7.5	104
8G1	8.0	120
9G1	9.9	161
10G1	9.9	161
12G1	9.9	174
14G1	10.6	202
15G1	11.1	215
16G1	11.1	226
18G1	11.7	252
21G1	13.1	305
25G1	14.3	346
34G1	16.3	477
41G1	17.7	566
42G1	17.9	578
50G1	19.1	682
61G1	20.5	883
65G1	21.5	949
80G1	24.3	1092
100G1	27.5	1398
2×1.5	6.2	61
3×1.5	6.7	78
3G1.5	6.5	79
4×1.5	7.2	97
4G1.5	7.4	92
5G1.5	7.9	109



Control Cable

Construction No. of cores×mm ²	Nominal Overall Diameter mm	Nominal Weight kg/km
6G1.5	8.6	133
7G1.5	9.0	147
8G1.5	9.5	169
9G1.5	10.5	185
10G1.5	11.3	210
12G1.5	11.6	237
14G1.5	12.0	271
16G1.5	12.9	310
18G1.5	13.7	347
21G1.5	14.9	403
25G1.5	16.9	490
32G1.5	18.1	606
34G1.5	18.8	642
42G1.5	20.5	798
50G1.5	22.2	926
61G1.5	23.7	1119
65G1.5	24.7	1020
80G1.5	28.3	1545
100G1.5	30.1	1808
2×2.5	7.3	92
3G2.5	7.7	119
4G2.5	8.5	148
5G2.5	9.7	180
7G2.5	10.1	232
8G2.5	11.3	274
12G2.5	13.9	377
18G2.5	17.1	575
25G2.5	20.7	786
34G2.5	21.7	1080
50G2.5	28.7	1566
3G4	9.3	176
4G4	10.2	219
5G4	11.6	269
7G4	12.8	356
3G6	11.0	255
4G6	12.3	323
5G6	13.5	391
7G6	14.9	519
3G10	14.0	411
4G10	15.0	513
5G10	17.1	650



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Construction No. of cores×mm ²	Nominal Overall Diameter mm	Nominal Weight kg/km
7G10	18.8	844
3G16	18.2	653
4G16	19.2	844
5G16	21.3	1012
7G16	23.8	1367
4G25	23.0	1252
5G25	25.8	1548
7G25	28.5	2078
4G35	26.7	1658
5G35	29.5	2029
7G35	38.0	3156
4G50	31.5	2360
5G50	34.7	2920
4G70	35.7	3201
5G70	40.0	4011
4G95	41.1	4259
5G95	45.6	5292
4G120	45.1	5263
4G150	62.3	8340
4G185	67.0	9904

G: with green-yellow earth core

×: without green-yellow earth core

