Y 0.6/1kV

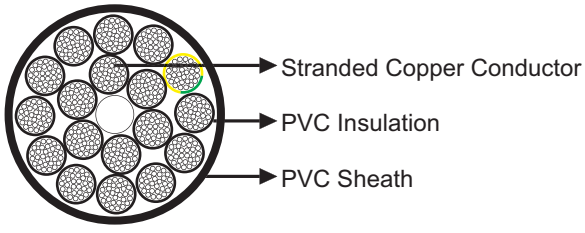
» Application

These cables are designed for flexible use for medium mechanical stresses as measuring and control cables in tool machines, conveyor belts, production lines; for plant installations, air conditioning, in steel production plants and rolling mills, suitable for dry, moist and wet rooms as well as outside (fixed installation).

» Standards

DIN VDE 0262/12.95
DIN VDE 0281 part 13

» Construction



Conductor: Stranded bare copper, class 5 according to DIN VDE 0295/IEC60228.
Insulation: PVC Type TI 2/YI 2.
Sheath: PVC Type TM 2/YM 2.

» Technical Data

Rated Voltage Uo/U (Um)	600/1000V
Operating Temperatures	flexing: -5℃~+80℃; fixed: -40℃~+80℃
Minimum Bending Radius	flexing: 7.5×OD; fixed: 4×OD
Flame Retardant	VDE 0482-332-1-2/DIN EN 60332-1-2/IEC 60332-1
Oil Resistant	Yes
Silicone Free	Yes
UV Resistant	Yes

» Dimensions and Weight

Construction	Nominal Overall Diameter	Nominal Weight
No. of cores×mm²	mm	kg/km
2×0.5	6.3	56
3G0.5	6.7	68
3×0.5	6.7	68
4G0.5	7.2	100
4×0.5	7.2	100
5G0.5	8.0	117
5×0.5	8.0	117
6G0.5	8.9	126
7G0.5	8.9	138
7×0.5	8.9	138
8G0.5	10.2	150
8×0.5	10.2	150
10G0.5	11.2	176
12G0.5	11.4	200
12×0.5	11.4	200
14G0.5	12.3	230
16G0.5	12.9	250
18G0.5	13.8	276
20G0.5	14.4	293
21G0.5	14.4	305
25G0.5	16.4	335
30G0.5	17.2	348
32G0.5	18.0	355
34G0.5	18.7	520
40G0.5	20.2	590
42G0.5	20.2	595
50G0.5	22.1	715
52G0.5	22.1	740
61G0.5	23.6	840
65G0.5	25.0	880
80G0.5	27.2	960
100G0.5	30.2	1050
2×0.75	6.6	66
3G0.75	7.0	74
3×0.75	7.0	74
4G0.75	7.6	126
4×0.75	7.6	126
5G0.75	8.4	140

Control Cable

Construction	Nominal Overall Diameter	Nominal Weight
No. of cores×mm²	mm	kg/km
5×0.75	8.4	140
6G0.75	9.3	170
6×0.75	9.3	170
7G0.75	9.3	190
7×0.75	9.3	190
8G0.75	10.9	212
8×0.75	10.9	212
9G0.75	11.8	227
10G0.75	11.8	238
12G0.75	12.3	257
12×0.75	12.3	257
14G0.75	12.9	286
15G0.75	13.8	319
18G0.75	14.5	362
20G0.75	15.4	394
21G0.75	16.1	422
25G0.75	17.4	486
32G0.75	19.1	595
34G0.75	19.9	638
37G0.75	19.9	696
40G0.75	21.5	726
41G0.75	21.5	750
42G0.75	21.5	770
50G0.75	23.5	895
61G0.75	25.3	1070
65G0.75	26.9	1110
80G0.75	28.9	1500
100G0.75	32.1	1889
2×1	7.0	80
3G1	7.3	96
3×1	7.3	96
4G1	8.2	100
4×1	8.2	100
5G1	9.2	130
5×1	9.2	130
6G1	9.9	150
7G1	9.9	170
7×1	9.9	170
8G1	11.6	230
9G1	12.8	250
10G1	12.8	270

Control Cable

Construction	Nominal Overall Diameter	Nominal Weight
No. of cores×mm²	mm	kg/km
10×1	12.8	270
12G1	13.0	290
12×1	13.0	290
14G1	14.0	320
16G1	14.8	360
18G1	15.7	405
18×1	15.7	405
20G1	16.7	450
21G1	17.4	510
24G1	18.4	550
25G1	18.8	570
25×1	18.8	570
26G1	18.8	590
30×1	19.9	650
34G1	21.5	750
36G1	21.5	790
40G1	23.2	850
40×1	23.2	850
41G1	23.2	890
42G1	23.2	900
50G1	25.6	1100
56G1	26.4	1190
61G1	27.3	1266
65G1	29.0	1560
80G1	31.4	1810
100G1	34.8	1950
3G16	20.5	700
2×1.5	8.2	95
3G1.5	8.6	112
3×1.5	8.6	112
4G1.5	9.6	139
4×1.5	9.6	139
5G1.5	10.7	170
5×1.5	10.7	170
6G1.5	11.6	190
7G1.5	11.6	225
7×1.5	11.6	225
8G1.5	13.8	250
9G1.5	15.2	280
10G1.5	15.2	300
11G1.5	15.5	330

Control Cable

Construction	Nominal Overall Diameter	Nominal Weight
No. of cores×mm²	mm	kg/km
12G1.5	15.5	370
12×1.5	15.5	370
14G1.5	16.6	400
16G1.5	17.5	450
18G1.5	18.6	520
19G1.5	18.6	550
20G1.5	19.7	600
21G1.5	20.6	600
25G1.5	22.5	730
32G1.5	24.5	880
34G1.5	25.6	950
40G1.5	27.6	990
42G1.5	27.6	1120
50G1.5	30.4	1400
56G1.5	31.5	1530
61G1.5	32.6	1700
65G1.5	34.8	1900
80G1.5	37.4	2300
100G1.5	41.6	2700
2×2.5	9.4	160
3G2.5	10.1	175
3×2.5	10.1	175
4G2.5	11.2	203
4×2.5	11.2	203
5G2.5	12.5	251
5×2.5	12.5	251
7G2.5	13.8	330
7×2.5	13.8	330
8G2.5	16.1	400
12G2.5	18.3	553
14G2.5	19.4	630
18G2.5	22.0	795
21G2.5	25.0	930
25G2.5	26.7	1110
34G2.5	30.4	1450
42G2.5	33.0	1750
50G2.5	36.2	2100
61G2.5	38.8	2540
100G2.5	49.5	3850
2×4	11.4	180
3G4	12.3	230

Control Cable

Construction	Nominal Overall Diameter	Nominal Weight
No. of cores×mm²	mm	kg/km
4G4	13.7	310
5G4	15.2	410
7G4	16.7	540
8G4	19.9	710
12G4	22.6	860
3G6	14.0	370
4G6	15.5	430
5G6	17.3	650
7G6	19.2	860
3G10	16.4	660
4G10	18.2	790
5G10	20.4	960
7G10	22.4	1300
3G16	20.5	700
4G16	22.6	1100
5G16	25.4	1600
7G16	27.8	1890
3G25	24.8	1450
4G25	27.6	1600
5G25	30.3	2050
7G25	33.6	2900
3G35	27.5	1900
4G35	30.5	2400
5G35	34.1	2900
3G50	33.5	2700
4G50	37.2	3400
5G50	41.8	4361
3G70	38.7	3300
4G70	42.7	4400
5G70	47.6	5807
3G95	43.3	5050
4G95	48.0	6010
5G95	52.8	7752
4G120	52.6	7500
4G150	61.3	8640
4G185	67.1	10380

G: with green-yellow earth core

×: without green-yellow earth core