



Control Cable

Y 0.6/1kV UL/CSA

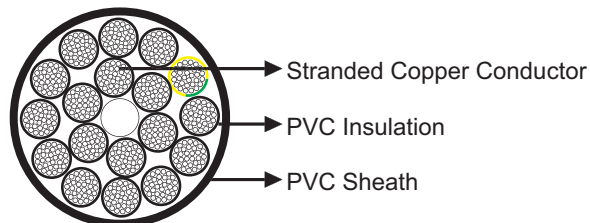
» Application

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

VDE 0276 part 627
DIN VDE 0281 part 13
UL 758
IEC 60502

» Construction



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

Insulation: Special PVC type TI2 according to DIN VDE 0281 part 1, class 43 UL-Std. 1581.

Sheath: Special PVC.

» Technical Data

Rated Voltage U ₀ /U (Um)	600/1000V
Operating Temperatures	flexing: -5°C~+80°C; fixed: -40°C~+80°C
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/VW1/FT1
Oil Resistant	Yes
Silicone Free	Yes
UV Resistant	Yes



» Dimensions and Weight

Construction	Nominal Overall Diameter	Nominal Weight
No. of cores×mm ²	mm	kg/km
2×0.5	6.4	56
3G0.5	6.8	68
4G0.5	7.6	100
5G0.5	8.2	117
7G0.5	9.8	138
12G0.5	12.2	200
18G0.5	14.4	276
25G0.5	17.2	335
2×0.75	6.8	66
3G0.75	7.2	74
4G0.75	8.0	126
5G0.75	8.8	140
7G0.75	10.7	190
12G0.75	13.1	257
18G0.75	15.6	362
25G0.75	18.9	486
2×1	7.4	80
3G1	8.0	96
4G1	8.8	100
5G1	9.8	130
7G1	11.7	170
12G1	14.5	290
18G1	17.3	405
25G1	21.1	570
2×1.5	8.4	95
3G1.5	9.1	112
4G1.5	9.9	139
5G1.5	11.0	170
7G1.5	13.3	225
12G1.5	16.6	370
18G1.5	19.7	520
25G1.5	23.9	730
2×2.5	9.4	160
3G2.5	9.9	175
4G2.5	11.1	203
5G2.5	12.4	251
7G2.5	15.0	330
12G2.5	18.4	553



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Construction No. of cores×mm ²	Nominal Overall Diameter mm	Nominal Weight kg/km
18G2.5	22.0	795
25G2.5	26.9	1110
2×4	11.4	180
3G4	12.3	230
4G4	13.8	310
5G4	15.3	410
7G4	16.8	540
12G4	22.9	860
3G6	14.1	370
4G6	15.6	430
5G6	17.3	650
7G6	19.3	860
3G10	16.5	660
4G10	18.4	790
5G10	20.5	960
7G10	22.5	1300
3G16	19.6	760
4G16	21.7	1100
5G16	24.2	1600
7G16	25.7	1890
3G25	24.0	1450
4G25	26.9	1600
5G25	29.3	2050
7G25	32.6	2900

G: with green-yellow earth core

×: without green-yellow earth core