Halogen Free Control Cable 0.6/1 kV

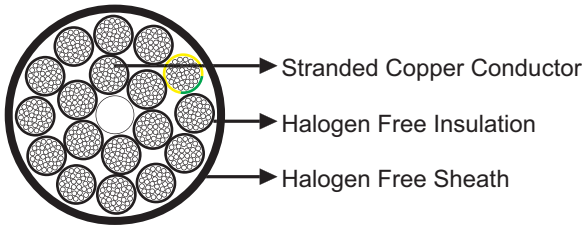
» Application

These halogen-free, flame retardant cables are designed for use as measuring and control cable in machine tools, conveyor belts, production lines as well as in plant installations, in air-conditioning and steel production works, suitable for the application in dry, damp and wet environments and also for laying on, in and under plaster as well as in concrete and masonry excluding in direct laying in vibration, compacted or compressed concrete.

» Standards

DIN VDE 0281 part 14
DIN VDE 0281 part 13
IEC 60092-351

» Construction



Conductor: Stranded bare copper, class 5 according to DIN VDE 0295/BS 6360/IEC 60228.
Insulation: Halogen-free compound TI6/XLPE compound Type HF
Sheath: Halogen-free sheath compound TM7/HM4.

» Technical Data

Rated Voltage Uo/U (Um)	600/1000V
Operating Temperatures	flexing: -15℃~+70℃; fixed: -40℃~+70℃
Minimum Bending Radius	15×OD
Flame Retardant	VDE 0482-332-1-2/DIN EN 60332-1-2/IEC 60332-1
Halogen Free	VDE 0482 part 267/DIN EN 50267-2-1/IEC 60754
Gases Corrosively	VDE 0482 part 267/DIN EN 50267-2-2/IEC 60754
Smoke Density	VDE 0482 part 1034-1+2/IEC 61034-1+2/DIN EN 61034-1+2/BS 7622 part 1+2

Control Cable

Oil Resistant	Yes
Silicone Free	Yes

» Dimensions and Weight

Construction	Nominal Overall Diameter	Nominal Weight
No. of cores×mm²	mm	kg/km
2×0.5	6.4	57
3G0.5	6.8	69
3×0.5	6.8	69
4G0.5	7.6	104
4×0.5	7.6	104
5G0.5	8.2	121
5×0.5	8.2	121
7G0.5	9.8	145
10G0.5	11.6	186
12G0.5	12.2	224
18G0.5	14.4	292
25G0.5	17.2	357
2×0.75	6.8	68
3G0.75	7.2	77
3×0.75	7.2	77
4G0.75	8.0	136
4×0.75	8.0	136
5G0.75	8.8	152
5×0.75	8.8	152
7G0.75	10.7	208
10G0.75	12.7	250
12G0.75	13.1	271
18G0.75	15.6	387
25G0.75	18.9	498
2×1	7.4	82
3G1	8.0	99
3×1	8.0	99
4G1	8.8	140
4×1	8.8	140
5G1	9.8	160
5×1	9.8	160
7G1	11.7	217
10G1	14.1	271
12G1	14.5	301
18G1	17.3	417
25G1	21.1	576
2×1.5	8.4	97
3G1.5	9.1	119
3×1.5	9.1	119

Control Cable

Construction	Nominal Overall Diameter	Nominal Weight
No. of cores×mm²	mm	kg/km
4G1.5	9.9	148
4×1.5	9.9	148
5G1.5	11.0	172
5×1.5	11.0	172
7G1.5	13.3	243
10G1.5	15.9	311
12G1.5	16.6	392
18G1.5	19.7	529
25G1.5	23.9	741
2×2.5	9.4	160
3G2.5	9.9	177
3×2.5	9.9	177
4G2.5	11.1	209
4×2.5	11.1	209
5G2.5	12.4	272
5×2.5	12.4	272
7G2.5	15.0	340
10G2.5	18.4	561
12G2.5	22.0	799
18G2.5	24.6	940
25G2.5	26.9	1121
3G4	12.3	255
4G4	13.8	319
5G4	15.3	423
3G6	14.1	380
4G6	15.6	441
5G6	17.3	657
3G10	16.5	668
4G10	18.4	796
5G10	20.5	972
3G16	19.1	832
4G16	21.2	1122
5G16	23.6	1604
3G25	24.0	1457
4G25	26.9	1611
5G25	29.3	2070
3G35	26.2	1914
4G35	29.4	2424
5G35	32.8	2970
4G50	34.2	3467
4G70	41.0	4491
4G95	46.2	6170
4G120	50.3	7618

G: with green-yellow earth core

×: without green-yellow earth core