Halogen Free, Screened Control Cable 0.6/1 kV

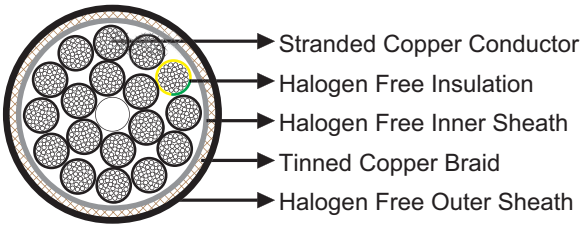
» Application

These screened, halogen-free, flame retardant cables are designed for instrumentation and control cables in tooling machinery, conveyor and transportation belts, production lines, in plant construction, air-conditioning systems as well as in iron and steel works, suitable for use in dry, damp and wet environments for installation above, on, in and beneath plaster as well as in masonry and concrete walls except for direct embedding in vibrated, compacted or tamped concrete.

» Standards

DIN VDE 0281 part 14
DIN VDE 0281 part 13

» Construction



Conductor: Stranded bare copper, class 5 according to DIN VDE 0295/BS 6360/IEC 60228.
Insulation: Halogen-free compound TI6.
Inner Sheath: Halogen-free compound.
Screen: Tinned copper braid.
Outer Sheath: Halogen-free compound TM7.

» Technical Data

Rated Voltage Uo/U (Um)	600/1000V
Operating Temperatures	flexing: -5℃~+70℃; fixed: -40℃~+70℃
Minimum Bending Radius	15×OD
Flame Retardant	DIN VDE 0482 Part 265-2-1/ EN 50265-2-1/IEC 60332-1

Control Cable

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
Oil Resistant	Yes
Silicone Free	Yes

» Dimensions and Weight

Construction	Nominal Overall Diameter	Nominal Weight
No. of cores×mm²	mm	kg/km
3G0.5	8.6	150
4G0.5	9.4	170
5G0.5	10.1	199
7G0.5	12.1	235
12G0.5	14.7	320
18G0.5	17.3	428
25G0.5	20.6	503
3G0.75	9.0	155
4G0.75	9.9	190
5G0.75	10.8	228
7G0.75	13.0	323
12G0.75	15.8	410
18G0.75	17.9	560
25G0.75	22.8	730
3G1	9.8	163
4G1	10.8	200
5G1	12.1	239
7G1	14.5	289
12G1	17.4	464
18G1	20.7	628
25G1	24.8	855
3G1.5	10.9	187
4G1.5	12.2	240
5G1.5	13.3	289
7G1.5	16.0	383
12G1.5	19.6	592
18G1.5	23.4	806
25G1.5	28.2	1241
3G2.5	12.2	298
4G2.5	13.4	345
5G2.5	14.9	427

Control Cable

Construction	Nominal Overall Diameter	Nominal Weight
No. of cores×mm²	mm	kg/km
7G2.5	17.9	561
12G2.5	21.9	857
18G2.5	26.1	1355
25G2.5	31.9	1995
3G4	15.1	391
4G4	16.7	527
5G4	18.6	700
3G6	17.0	629
4G6	18.7	731
5G6	20.7	1105
3G10	19.6	1125
4G10	21.9	1345
5G10	24.1	1635
4G16	23.5	1395
5G16	26.4	1870
7G16	28.8	2720
3G25	28.0	2465
4G25	32.5	2750
5G25	35.7	3490
3G35	32.7	3230
4G35	35.7	4100
5G35	40.0	4950
4G50	41.1	5780
4G70	48.0	7480
4G95	51.2	10220
4G120	56.0	13750
4G150	64.5	15900

G: with green-yellow earth core

×: without green-yellow earth core