



## APPLICATION

Screened flexible connecting cables for instrumentation and control equipment, for tooling machinery production lines and, in flexible applications for free movement without tensile load. Suitable for use in dry, moist and wet rooms. These cables are not used for outdoor or underground installation.

## CHARACTERISTICS

Voltage Rating

300/500V

Temperature Rating

Fixed: -40°C to +80°C

Flexed: -5°C to +70°C

Minimum Bending Radius

Fixed: 6 x overall diameter

Flexed: 15 x overall diameter

## CONSTRUCTION

Conductor

Class 5 flexible plain copper

Insulation

PVC (Polyvinyl Chloride)

Separator

PET (Polyester Tape)

Screen

TCWB (Tinned Copper Wire Braid)

Sheath

PVC (Polyvinyl Chloride)

Core Identification

Black with White number

From 3 cores: Black with White number + Green/Yellow

Colour-coded cores available upon request

Sheath Colour

Grey

## STANDARDS

VDE 0207-363-3, VDE 819-102 (TM54)

Flame Retardant according to IEC/EN 60332-1-2

## DIMENSIONS

NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	NOMINAL THICKNESS OF INSULATION mm	NOMINAL THICKNESS OF OUTER SHEATH mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km

2	0.5	0.40	0.8	5.4	41
2	0.75	0.40	0.9	6.1	52
2	1	0.40	0.9	6.5	60
2	1.5	0.40	0.9	7.1	74
3	0.5	0.40	0.8	5.8	51
3	0.75	0.40	0.9	6.4	65
3	1	0.40	0.9	6.8	76
3	1.5	0.40	0.9	7.5	98
3	2.5	0.50	1.0	9.0	146
4	0.5	0.40	0.8	6.2	64
4	0.75	0.40	0.9	6.9	82
4	1	0.40	0.9	7.4	96
4	1.5	0.40	0.9	8.1	122
4	2.5	0.50	1.1	10.0	190
4	4	0.60	1.2	11.9	283
4	6	0.65	1.3	13.5	386
4	10	0.75	1.5	17.1	630
4	16	0.75	1.6	20.4	910
4	25	0.90	1.8	24.4	1364
4	35	0.95	1.9	28.0	1814
5	0.5	0.40	0.8	6.7	77
5	0.75	0.40	0.9	7.4	97
5	1	0.40	0.9	8.0	116
5	1.5	0.40	1.0	9.0	152
5	2.5	0.50	1.1	10.8	228
5	4	0.60	1.2	12.9	332
5	6	0.65	1.3	14.8	457
5	10	0.75	1.5	18.7	749
5	16	0.75	1.7	22.6	1125
5	25	0.90	1.9	27.0	1683
7	0.5	0.40	0.8	7.2	93
7	0.75	0.40	0.9	8.0	121
7	1	0.40	1.0	8.8	148
7	1.5	0.40	1.0	9.7	191
7	2.5	0.50	1.1	11.7	290
12	0.5	0.40	1.0	9.6	154
12	0.75	0.40	1.0	10.4	193
12	1	0.40	1.1	11.4	236
12	1.5	0.40	1.2	12.9	315
18	0.75	0.40	1.2	12.4	281
18	1	0.40	1.2	13.4	339
18	1.5	0.40	1.3	15.1	452
25	0.75	0.40	1.3	14.8	331
25	1	0.40	1.3	16.0	461

25	1.5	0.40	1.4	18.1	616
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**ELECTRICAL CHARACTERISTICS**

NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	CURRENT CARRYING CAPACITIES 30°C CONTINUOUS LOADING A	MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C ohms/km
0.5	9	39
0.75	12	26
1	15	19.5
1.5	18	13.3
2.5	26	7.98
4	34	4.95
6	44	3.3
10	61	1.91
16	82	1.21
25	108	0.780
35	135	0.554