



### Applications

Low smoke halogen-free flexible screened cable for instrumentation and control equipment in tooling machinery, production lines, and flexible applications with free movement without tensile load. Suitable for use in dry, ambient and wet rooms. The screen protects against external interference pulses for interference-free transmission. These cables are not used for outdoor or underground installation.

### Voltage Rating

300/500V

### Temperature Rating

Fixed: -40°C to +80°C

Flexed: -15°C to +70°C

### Minimum Bending Radius

Fixed: 6 x overall diameter

Flexed: 15 x overall diameter

### Conductors

Class 5 flexible plain copper

### Insulation

LSZH (Low Smoke Zero Halogen)

### Separator

PET (Polyester Tape)

### Screen

TCWB (Tinned Copper Wire Braid)

### Sheath

LSZH (Low Smoke Zero Halogen)

### Core Identification

Black with White number

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

### Sheath Colour

Grey

### Standards

VDE 0207-303-7,

Flame Retardant according to IEC/EN 60332-1-2, IEC/EN 60332-3-24

Low Smoke Zero Halogen according to IEC/EN 60754-1/2, IEC/EN 61034-2

### Construction Parameters

NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	NOMINAL THICKNESS OF INSULATION mm	NOMINAL OUTER SHEATH THICKNESS mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
2	0.5	0.4	0.6	5	35
2	0.75	0.4	0.6	5.5	45

2	1	0.4	0.7	6.1	56
2	1.5	0.4	0.7	6.7	69
3	0.5	0.4	0.6	5.4	48
3	0.75	0.4	0.7	6	61
3	1	0.4	0.7	6.4	71
3	1.5	0.4	0.7	7.1	90
3	2.5	0.5	0.8	8.6	136
4	0.5	0.4	0.7	6	61
4	0.75	0.4	0.7	6.5	75
4	1	0.4	0.7	7	89
4	1.5	0.4	0.7	7.7	114
4	2.5	0.5	0.8	9.4	173
4	4	0.6	1	11.5	260
4	6	0.65	1.1	13.1	358
4	10	0.75	1.3	16.7	593
4	16	0.75	1.5	19	852
4	25	0.9	1.6	23.5	1274
4	35	0.95	1.7	26.9	1686
4	0.5	0.4	0.7	6.5	73
4	0.75	0.4	0.7	7	89
5	0.5	0.4	0.7	6.5	73
5	0.75	0.4	0.7	7	89
5	1	0.4	0.7	7.6	107
5	1.5	0.4	0.8	8.6	142
5	2.5	0.5	0.9	10.4	216
5	4	0.6	1.1	12.7	325
5	6	0.65	1.2	14.6	449
5	10	0.75	1.4	18.5	738
5	16	0.75	1.5	20.9	1050
5	25	0.9	1.7	26.1	1588
7	0.5	0.4	0.7	7	89
7	0.75	0.4	0.7	7.6	112
7	1	0.4	0.8	8.45	139
7	1.5	0.4	0.8	9.3	180
7	2.5	0.5	1	11.5	283
12	0.5	0.4	0.8	9.2	143
12	0.75	0.4	0.8	10	181
12	1	0.4	1	11.2	230
12	1.5	0.4	1.1	12.7	307
18	0.75	0.4	1.1	12.2	274
18	1	0.4	1.1	13.2	331
18	1.5	0.4	1.2	14.9	443
25	0.75	0.4	1.2	14.6	367

25	1	0.4	1.2	15.8	444
25	1.5	0.4	1.3	17.9	596