



Applications

These cables are suitable for dry, damp and wet locations but not in the open-air. They are used as screened termination and connection cable in the control, measuring and signal technology. The copper braiding optimises protection against external interferences, like electromagnetic fields and stray frequencies. Suitable as a signal and impulse cable for control and inspection of industrial plants, machinery and working processes.

Standards:

NF C 32-201-13

HRN HD 21.12 S1, 21.13 S1

DIN VDE 0281 part 13

IEC 60227-73

Cable Construction

- Fine bare copper strands
- Strands to VDE-0295 Class-5, IEC 60228 Class-5
- PVC insulation T12 to DIN VDE 0281 part 1
- Green-yellow grounding (3 conductors and above)
- Cores to VDE-0293 colors
- PVC sheath TM5 to DIN VDE 0281 part 1

Technical Characteristics

- Working voltage: 300/500v
- Test voltage: 2000volts
- Flexing bending radius: 7.5 x Ø
- Static bending radius: 4 x Ø
- Flexing temperature: -5° C to +70° C
- Static temperature: -40° C to +70° C
- Short circuit Temperature: +150° C
- Flame retardant: NF C 32-070
- Insulation resistance: 20 MΩ x km

Cable Parameter

No. of Cores x Nominal Cross Sectional Area # x mm ²	Nominal Thickness of Insulation mm	Nominal Thickness of Sheath mm	Nominal Overall Diameter mm	Nominal Copper Weight kg/Km	Nominal Weight kg/Km
2x0.50	0.6	0.7	5.6	9.7	46
2x0.75	0.6	0.8	6.2	14.4	52
2x1	0.6	0.8	6.6	19.2	66
2x1.5	0.7	0.8	7.6	29	77
2x2.5	0.8	0.9	9.2	48	110
3x0.50	0.6	0.7	5.9	14.4	54

3x0.75	0.6	0.8	6.6	21.6	68
3x1	0.6	0.8	7	29	78
3x1.5	0.7	0.9	8.2	43	97
3x2.5	0.8	1	10	72	154
4x0.50	0.6	0.8	6.6	19	65
4x0.75	0.6	0.8	7.2	28.8	82
4x1	0.6	0.8	7.8	38.4	104
4x1.5	0.7	0.9	9.3	58	128
4x2.5	0.8	1.1	10.9	96	212
5x0.50	0.6	0.8	7.3	24	80
5x0.75	0.6	0.9	8	36	107
5x1	0.6	0.9	8.6	48	123
5x1.5	0.7	1	10.3	72	149
5x2.5	0.8	1.1	12.1	120	242
6x0.50	0.6	0.9	8.1	28.8	104
6x0.75	0.6	0.9	8.7	43.2	132
6x1	0.6	1	9.5	58	152
6x1.5	0.7	1.1	11.2	86	196
6x2.5	0.8	1.2	13.2	144	292
7x0.50	0.6	0.9	8.1	33.6	119
7x0.75	0.6	1	8.9	50.5	145
7x1	0.6	1	9.5	67	183
7x1.5	0.7	1.2	11.4	101	216
7x2.5	1.3	0.8	13.4	168	350
12x0.50	0.6	1.1	10.9	58	186
12x0.75	0.6	1.1	11.7	86	231
12x1	0.6	1.2	12.8	115	269
12x1.5	0.7	1.3	15	173	324
12x2.5	1.5	0.8	17.9	288	543
18x0.50	0.6	1.2	12.9	86	251
18x0.75	0.6	1.3	14.1	130	313
18x1	0.6	1.3	15.1	173	400
18x1.5	0.7	1.5	18	259	485
18x2.5	1.8	0.8	21.6	432	787
25x0.50	0.6	1.4	15.4	120	349

25x0.75	0.6	1.5	16.8	180	461
25x1	0.6	1.5	18	240	546
25x1.5	0.7	1.8	21.6	360	671
25x2.5	0.8	2.1	25.8	600	1175
36x0.50	0.6	1.5	17.7	172	510
36x0.75	0.6	1.6	19.3	259	646
36x1	0.6	1.7	20.9	346	775
36x1.5	0.7	2	25	518	905
36x2.5	0.8	2.3	29.8	864	1791
50x0.50	0.6	1.7	21.5	240	658
50x0.75	0.6	1.8	23.2	360	896
50x1	0.6	1.9	24.5	480	1052
50x1.5	0.7	2	28.9	720	1381
50x2.5	0.8	2.3	35	600	1175
61x0.50	0.6	1.8	23.1	293	780
61x0.75	0.6	2	25.8	439	1030
61x1	0.6	2.1	26	586	1265
61x1.5	0.7	2.4	30.8	878	1640
61x2.5	0.8	2.4	37.1	1464	2724

Other dimensions and colours are possible on request.