J-Y(St)Y...Lg



Areas of Use

Fire alarm and telecommunication installation cables with electrostatic screen for information processing, signal transmission, voice communication and telephone stations for indoor applications. The static screen protects the signal from external electrical interference.

Cable Construction

Conductor	Annealed Solid Copper (IEC/EN 60228)
Insulation	PVC (EN 50290-2-21 TI1, VDE 0207 Part 4 YI1)
Core Colors	TS 13767, VDE 0815
Lay-up	Two cores twisted in pair and pairs stranded together (2 pairs cables are star quad lay-up)
Separator	PET Foil
Drain Wire	Solid Tinned Copper Wire
Screen	Al-PET Foil
Outer Sheath	PVC (EN 50290-2-22 TM1, VDE 0207 Part 5 YM1), RAL 3000 - Red
Reference Standards	TS 13767, VDE 0815

Technical Properties

Operating Voltage	300 V
Test Voltage	800 V
Insulation Resistance	>100 M.Ωxkm
Capacitance (@800Hz)	≤100 nF/km (capacitance values may increase by 20% up to 4 pair)
Temperature Range	-30 °C.....+70 °C
Loop Resistance	0.60 mm..... ≤130.0 Ω/km; 0.80 mm ..... ≤73.2 Ω/km 1.12 mm.....≤36.0 Ω/km; 1.37 mm ..... ≤24.0 Ω/km; 1.75 mm.....≤14.5 Ω/km
Flame Retardancy	IEC/EN 60332-1
Min. Bending Radius (Fixed)	8 x Cable Diameter

Cross Section

Configuration / Cross-Section (mm/mm²)	Cable Diameter (mm) (± 5%)	Copper Weight (kg / km)	~ Cable Weight (kg / km)
1x2x0.6 + 0.4	4.1	6	25
2x2x0.6 + 0.4	4.6	12	34
3x2x0.6 + 0.4	5.7	17	47
4x2x0.6 + 0.4	6.1	22	56
5x2x0.6 + 0.4	6.5	28	66
6x2x0.6 + 0.4	7.0	33	75
8x2x0.6 + 0.4	7.5	44	92

10x2x0.6 + 0.4	8.6	54	111
12x2x0.6 + 0.6	8.9	66	128
14x2x0.6 + 0.6	9.3	77	144
16x2x0.6 + 0.6	9.7	88	160
20x2x0.6 + 0.6	10.7	109	193
30x2x0.6 + 0.6	12.5	162	271
40x2x0.6 + 0.6	14.3	215	360
1x2x0.8 + 0.4	5.3	11	39
2x2x0.8 + 0.4	6.0	20	57
3x2x0.8 + 0.4	7.8	29	81
4x2x0.8 + 0.4	8.4	39	99
5x2x0.8 + 0.4	9.2	48	117
6x2x0.8 + 0.4	10.0	58	135
8x2x0.8 + 0.4	10.8	77	168
10x2x0.8 + 0.4	12.6	95	206
12x2x0.8 + 0.6	13.0	116	238
14x2x0.8 + 0.6	14.0	135	283
16x2x0.8 + 0.6	14.7	154	315
20x2x0.8 + 0.6	16.3	191	382
30x2x0.8 + 0.6	19.6	286	561
40x2x0.8 + 0.6	21.9	380	719
1x2x1 + 0.8	5.9	19	53
2x2x1 + 0.8	6.7	34	80
1x2x1 mm² + 0.8	6.2	23	59
2x2x1 mm² + 0.8	7.0	42	90
1x2x1.5 mm² + 0.8	6.9	32	74
2x2x1.5 mm² + 0.8	7.9	60	116
4x2x1.5 mm² + 0.8	11.5	115	210
7x2x1.5 mm² + 0.8	14.1	198	346

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