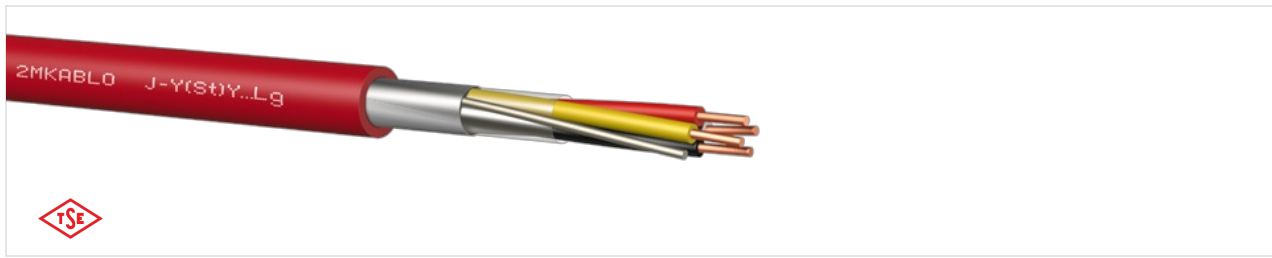


## J-Y(St)Y...Lg



### 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

<b>Conductor</b>	Annealed Solid Copper (IEC/EN 60228)
<b>Insulation</b>	PVC (EN 50290-2-21 T11, VDE 0207 Part 4 Y11)
<b>Core Colors</b>	TS 13767, VDE 0815
<b>Lay-up</b>	Two cores twisted in pair and pairs stranded together (2 pairs cables are star quad lay-up)
<b>Separator</b>	PET Foil
<b>Drain Wire</b>	Solid Tinned Copper Wire
<b>Screen</b>	Al-PET Foil
<b>Outer Sheath</b>	PVC (EN 50290-2-22 TM1, VDE 0207 Part 5 YM1), RAL 3000 - Red
<b>Reference Standards</b>	TS 13767, VDE 0815

### Technical Properties

<b>Operating Voltage</b>	300 V
<b>Test Voltage</b>	800 V
<b>Insulation Resistance</b>	>100 M.Ωxkm
<b>Capacitance (@800Hz)</b>	≤ 100 nF/km (capacitance values may increase by 20% up to 4 pair)
<b>Temperature Range</b>	-30 °C.....+70 °C
<b>Loop Resistance</b>	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
<b>Flame Retardancy</b>	IEC/EN 60332-1
<b>Min. Bending Radius (Fixed)</b>	8 x Cable Diameter

### Cross Section

Configuration / Cross-Section (mm/mm <sup>2</sup> )	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 mm <sup>2</sup> + 0.8	6.2	23	59
2x2x1 mm <sup>2</sup> + 0.8	7.0	42	90
1x2x1.5 mm <sup>2</sup> + 0.8	6.9	32	74
2x2x1.5 mm <sup>2</sup> + 0.8	7.9	60	116
4x2x1.5 mm <sup>2</sup> + 0.8	11.5	115	210
7x2x1.5 mm <sup>2</sup> + 0.8	14.1	198	346

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