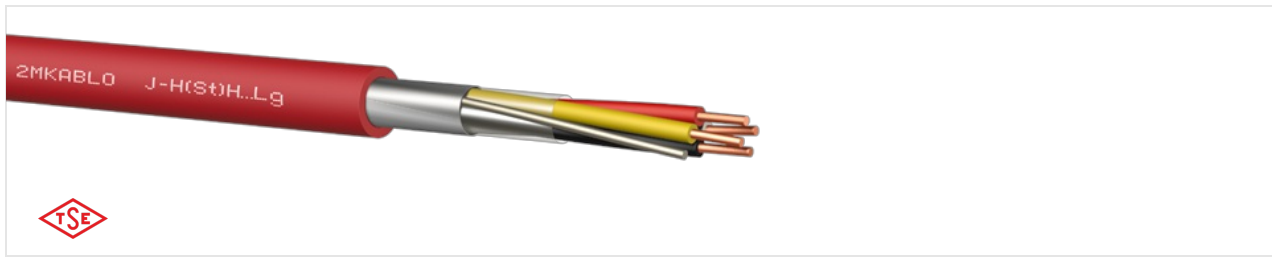


## J-H(St)H...Lg



### 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. J-H(St)H...Lg cables are halogen-free flame retardant insulated and sheathed.

### Cable Construction

|                     |   |
|---------------------|---|
| Conductor           | Annealed Solid Copper (IEC/EN 60228)  |
| Insulation          | HFFR (EN 50290-2-26)  |
| 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        | HFFR (EN 50290-2-27), RAL 7032 - Grey or RAL 3000 - Red                                     |
| Reference Standards | TS 13767, VDE 0815  |
| CPR Classes         | B2ca s1a d1 a1  |

### Technical Properties

|                             |   |
|-----------------------------|---|
| Operating Voltage           | 300 V   |
| Test Voltage                | 800 V   |
| Insulation Resistance       | >100 M.Ωxkm   |
| Capacitance (@800Hz)        | ≤120 nF/km (capacitance values may increase by 20% up to 4 pair)  |
| 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 |
| Temperature Range           | -30 °C.....+70 °C   |
| Flame Retardancy            | IEC/EN 60332-1  |
| Smoke Density               | IEC/EN 61034-2  |
| Amount of Halogen Acid Gas  | IEC/EN 60754-1  |
| Corrosive Gases Measurement | IEC/EN 60754-2  |
| Min. Bending Radius (Fixed) | 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) |
|---|----------------------------|-------------------------|--------------------------|
| 1x2x0.8 + 0.8                                       | 5.3                        | 14                      | 43                       |
| 2x2x0.8 + 0.8                                       | 6.0                        | 24                      | 60                       |

|                               |      |     |     |
|-------------------------------|------|-----|-----|
| 3x2x0.8 + 0.8                 | 7.8  | 33  | 85  |
| 4x2x0.8 + 0.8                 | 8.4  | 42  | 102 |
| 5x2x0.8 + 0.8                 | 9.2  | 52  | 120 |
| 6x2x0.8 + 0.8                 | 10.0 | 61  | 139 |
| 8x2x0.8 + 0.8                 | 10.8 | 80  | 172 |
| 10x2x0.8 + 0.8                | 12.6 | 99  | 210 |
| 12x2x0.8 + 0.8                | 13.0 | 118 | 240 |
| 14x2x0.8 + 0.8                | 14.0 | 137 | 285 |
| 16x2x0.8 + 0.8                | 14.7 | 156 | 317 |
| 20x2x0.8 + 0.8                | 16.3 | 193 | 384 |
| 30x2x0.8 + 0.8                | 19.6 | 288 | 563 |
| 40x2x0.8 + 0.8                | 21.9 | 382 | 721 |
| 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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