



Telecommunication Cables

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S9 IYXI(c) 60 V

Applications

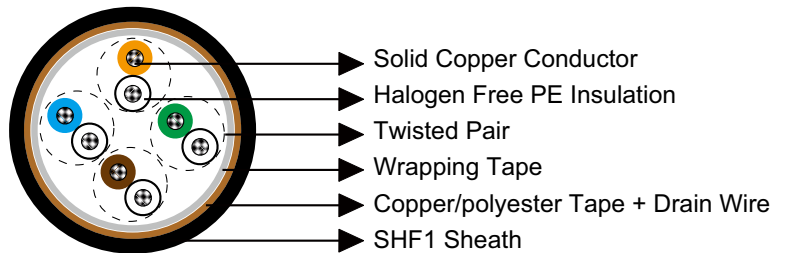
These cables are flame retardant, low smoke and halogen free, used for indoor telecommunication.



Standards

- IEC 60092-359
- IEC 60332-1
- IEC 60332-3-22
- IEC 60754-1,2
- IEC 61034-1,2
- NEK 606:2004

Construction



- **Conductors:** Solid tinned copper, 0.5mm.
- **Insulation:** Halogen-free thermoplastic compound PE.
- **Twinning:** Colour coded cores twisted together. Pairs are cross-stranded to finished cable or 10 pair units. The units are stranded to 20 - 30 - 50 pair cables. 2 pair is stranded as a star quad.
- **Wrapping:** Polyester tape.
- **Collective Shielding:** The cable core is screened by copper backed polyester tape in contact with a 0.5mm solid tinned drain wire.
- **Sheath:** Halogen-free thermoplastic compound, type SHF1, coloured grey.

Electrical Characteristics

Nominal Conductor Diameter	mm	0.5
Maximum Resistant@20°C	Ω/km	95
Nominal Inductance@1KHz	MH/km	0.61
Mutual Capacitance 1-pair cable	nF/km	90
Mutual Capacitance 2-pair cable	nF/km	80





Mutual Capacitance 4-pair and above cable	nF/km	70
Operating Voltage	V	60

Mechanical and Thermal Properties

- Bending Radius: 8×OD (during installation); 6×OD (fixed installed)
- Temperature Range: -10°C ~ +60°C

Dimensions and Weight

Construction No. of elements×No. of cores in element×Core diameter(mm)	Nominal Insulation Thickness mm	Nominal Sheath Thickness mm	Nominal Overall Diameter mm	Nominal Weight kg/km
1×2×0.5	0.2	1.2	5.0	30
2×2×0.5	0.2	1.2	5.5	35
4×2×0.5	0.2	1.2	7.0	55
10×2×0.5	0.2	1.5	8.5	90
20×2×0.5	0.2	1.5	11.0	148
30×2×0.5	0.2	1.5	13.5	210
50×2×0.5	0.2	1.5	16.0	320

