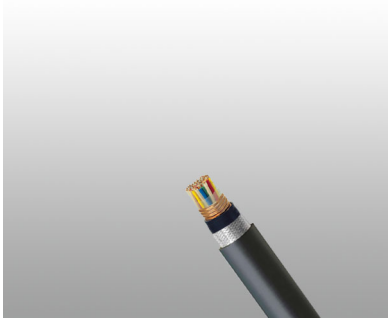
S10 IYOI(c) 60 V

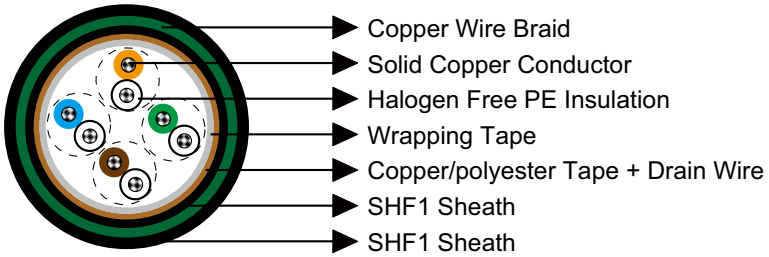
Applications



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.
- **Bedding:** Halogen-free thermoplastic compound, type SHF1, coloured grey.
- **Armour:** Tinned copper wire braid
- **Outer Sheath:** Halogen-free thermoplastic compound, type SHF1, coloured grey.

Electrical Characteristics

Nominal Conductor Diameter	mm	0.5
Maximum Resistant@20℃	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℃ ~ +60℃

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
		Inner	Outer		
1×2×0.5	0.2	1.2	1.2	8.0	95
2×2×0.5	0.2	1.2	1.2	9.0	110
4×2×0.5	0.2	1.2	1.2	10.0	145
10×2×0.5	0.2	1.5	1.5	12.0	200
20×2×0.5	0.2	1.5	1.5	15.0	330
30×2×0.5	0.2	1.5	1.5	17.0	430
50×2×0.5	0.2	1.5	1.5	20.0	580