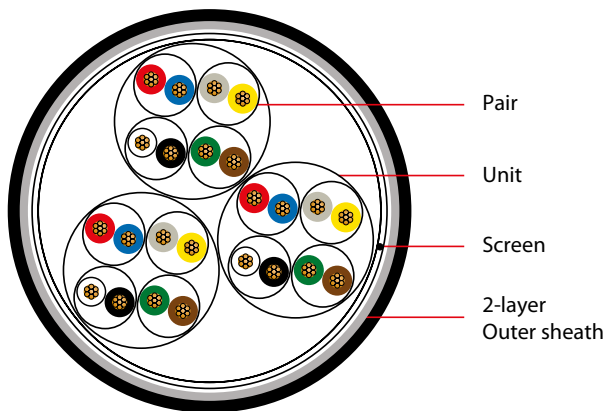


A-LIH(St)HSO Bd Si mtp*Fca

Based on DIN VDE 0815

* suitable for maxi-termi-point



APPLICATION

This halogen-free, flame-retardant installation cable is used where increased fire protection of people, property and buildings is required. It transmits signals in telecommunications systems with fixed installation, indoors, outdoors and underground. It is not suitable for power installations.

The cable is suitable for installation in water.

CONSTRUCTION

Conductor: fine bare copper strand; $7 \times 0,3 \text{ mm} = 0,5 \text{ mm}^2$ ($\varnothing 0,9 \text{ mm}$)

Core insulation: halogen-free compound

Stranding: 2 cores per pair, 4 pairs per unit, units laid in layers; 2-pair cable as star quad

Lapping: plastic foil

Overall screen: tinned stranded drain wire, $0,5 \text{ mm}^2$; plastic-laminated aluminium foil

Outer sheath:

Inner layer: halogen-free compound

Outer layer: special halogen-free compound; black RAL 9005

BEHAVIOUR UNDER FIRE CONDITIONS

Zero halogen, no corrosive gases: IEC 60754-2, DIN EN 50267

Flame retardance: IEC 60332-1-2, DIN 60332-1-2

No flame propagation: IEC 60332-3-24, DIN EN 60332-3-24

Smoke density: IEC 61034, DIN EN 61034

Dimension	Sheath thickness approx. mm	Diameter approx. mm	Cable weight approx. kg/km	Copper index kg/km
2 x 2 x 0,5	1,0	10,0	130	26
4 x 2 x 0,5	1,0	11,8	180	47
8 x 2 x 0,5	1,0	14,9	275	89
12 x 2 x 0,5	1,0	15,6	335	132
20 x 2 x 0,5	1,2	17,9	465	216

ELECTRICAL CHARACTERISTICS

Loop resistance max.	78,4 Ω /km
Insulation resistance min.	100 M Ω x km
Mutual capacitance (800 Hz) max.	120 nF/km 2 and 4 pair cables: plus 20% permitted 1 pair 180 nF/km
Capacitance unbalance (800 Hz) max.	200 pF/100m 20% of values; one value max. 400 pF
Test voltage core-core	500 V 50 Hz 1 min
Test voltage core-screen	2000 V 50 Hz 1 min
Peak operating voltage	225 V

THERMAL & MECHANICAL PROPERTIES

Temperature range, moved	-5°C to +50°C
Temperature range, fixed	-30°C to +70°C
Minimum bending radius	10 x diameter

Subject to technical changes and errors



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