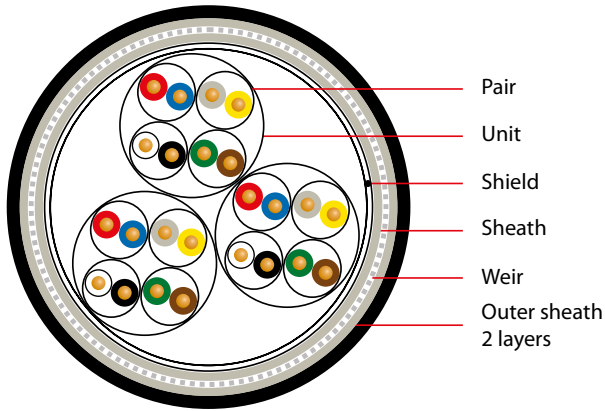


# A-H(St)HDSHSOT Bd Si mtp\*

in resemblance to DIN VDE 0815

\* capable of maxi-termi-point



## APPLICATION

This halogen-free, flame-resistant cable is used where increased fire protection of persons, material goods and buildings is required. It serves for signal transmission in communication systems with fixed installation. Not approved for power installation. Termite resistant and rodent proof. Appropriate for water installation.

## CONSTRUCTION

**Conductor:** copper, solid, bare (Ø 0.8 mm)

**Core insulation:** halogen-free compound

**Core stranding:** 2 cores to pair, 4 pairs to unit, units in layers; 2 x 2 as star quad

**Lapping:** min. 2 layers of plastic foil

**Shield:** tinned drain wire (Ø 0.8 mm); plastic-laminated aluminium foil

**Sheath:** halogen-free compound

**Weir / Rodent protection:** galvanized steel shield (Ø 0.9 mm or 1.4 mm); optical coverage approx. 80 %

### Outer sheath:

layer 1: halogen-free compound

layer 2: special halogen-free compound; termite protected; colour: black RAL 9005

## BEHAVIOUR UNDER FIRE CONDITIONS

Zero halogen, non corrosive gases: IEC 60754-2, DIN EN 50267

Flame retardant: IEC 60332-1-2, DIN EN 60332-1-2

Fire retardant: IEC 60332-3-22 / 24, DIN EN 60332-3-22 / 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 0.8	1.4	11.0	235	26
4 x 2 x 0.8	1.4	13.0	315	46
8 x 2 x 0.8	1.8	16.7	482	87
12 x 2 x 0.8	1.8	17.3	545	129
16 x 2 x 0.8	1.8	18.2	627	170
20 x 2 x 0.8	1.8	20.5	748	211

## ELECTRICAL CHARACTERISTICS

(Conductor) loop resistance max.	73.2 Ω/km
Insulation resistance min.	100 MΩ x km
Mutual capacitance (800 Hz) max.	120 nF/km 2 and 4 pair cable plus 20% permitted 1 pair 180nF/km
Capacitance unbalance (800 Hz) max.	200 pF/100m 20% of values, min. 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 during installation	-5°C to +50°C
Temperature range stationary	-30°C to +70°C
Minimum bending radius	10 x diameter

Subject to changes due to technical progress and error



T.K. Kabel oHG · Bahnhofstraße 6 · 71384 Weinstadt

Phone +49 (0) 7151/60 68 70 · Fax +49 (0) 7151/60 91 00 · info@tk-kabel.de · www.tk-kabel.de