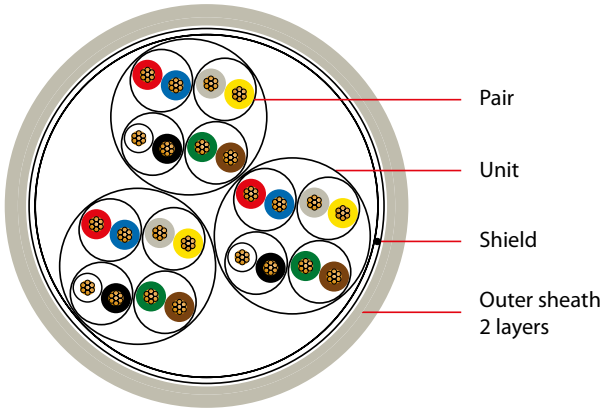
JE-LIH(St)HSO Bd Si mtp*

in resemblance to DIN VDE 0815

* capable of maxi-termi-point



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

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. Appropriate for water installation.

CONSTRUCTION

Conductor: copper strand, bare; 7 x 0.3 mm = 0.5 mm^2 (Ø 0.9 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: plastic foil
Shield: tinned drain wire 0.5 mm^2; plastic-laminated aluminium foil
Outer sheath:
layer 1: halogen-free compound
layer 2: special halogen-free compound,
colour: pebble grey RAL 7032 or blue RAL 5015

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

ELECTRICAL CHARACTERISTICS

(Conductor) loop resistance max.	78.4 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