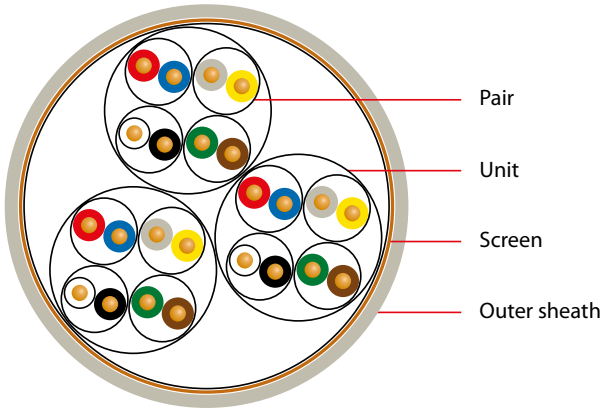
JE-HCH Bd Si mtp* B2ca / Cca / Dca

acc. 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
1 x 2 x 0.8	1.0	6.0	55	26
2 x 2 x 0.8	1.0	6.5	70	36
4 x 2 x 0.8	1.0	8.5	110	64
8 x 2 x 0.8	1.2	12.7	210	120
12 x 2 x 0.8	1.2	13.4	260	163
16 x 2 x 0.8	1.2	14.5	325	212
20 x 2 x 0.8	1.2	15.7	380	255
32 x 2 x 0.8	1.4	21.5	605	407
40 x 2 x 0.8	1.6	23.5	750	492

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. Due to water absorption the cable should only be laid directly in earth or water if a protective conduit is used.

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: plastic foil
Screen: tinned copper wire braid (Ø 0.2 mm)
Outer sheath: 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, DIN EN 60332-3-22
Smoke density: IEC 61034, DIN EN 61034

CONSTRUCTION PRODUCTS REGULATIONS

Dca s1 d1 a1 / Dca s1 d2 a1
Cca s1 d1 a1
B2ca s1 d1 a1

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

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