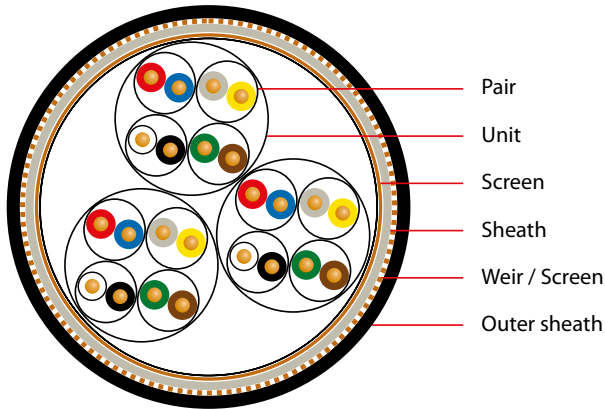


# AJ-HCHD2Y Bd Si Cu16 mtp\* Fca

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. 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); optical coverage approx. 80 %
- Sheath:** halogen-free compound
- Weir / Screen:** cross section 16 mm<sup>2</sup>; surrounded with 16 bare copper wires (Ø 1.13 mm); lapping with plastic foil
- Outer sheath:** PE L/MD; colour: black RAL 9005

Dimension	Sheath thickness approx. mm	Diameter approx. mm	Cable weight approx. kg/km	Copper index kg/km
2 x 2 x 0.8	1.8	13.8	300	216
4 x 2 x 0.8	1.8	15.9	360	252
8 x 2 x 0.8	1.8	18.0	460	308
12 x 2 x 0.8	1.8	18.5	525	357
16 x 2 x 0.8	1.8	21.0	590	407
20 x 2 x 0.8	1.8	22.0	660	454
32 x 2 x 0.8	2.0	26.5	900	597
40 x 2 x 0.8	2.0	29.0	1060	699

## 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	15 x diameter

Subject to changes due to technical progress and error

