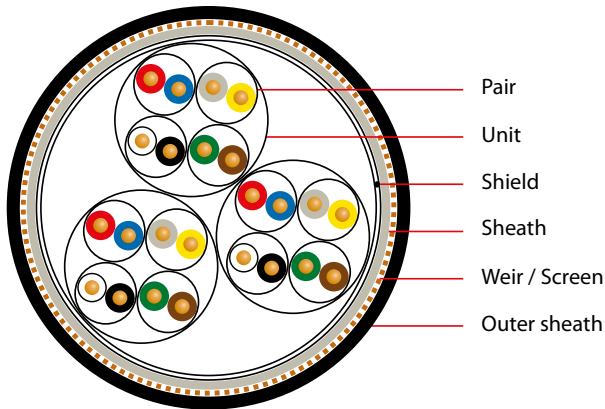


# AJ-Y(St)YDY Bd Si Cu3.5 Fca

in resemblance to DIN VDE 0815



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	12.2	175	60
4 x 2 x 0.8	1.8	13.5	225	81
8 x 2 x 0.8	1.8	16.5	315	121
12 x 2 x 0.8	1.8	17.0	365	162
16 x 2 x 0.8	1.8	18.0	430	203
20 x 2 x 0.8	1.8	20.0	510	280
32 x 2 x 0.8	2.0	25.0	813	358
40 x 2 x 0.8	2.0	26.5	930	440

## APPLICATION

For information transmission in dry and moist production sites, in and under plaster, as well as outdoors for fixed installation. Not approved for power installation, but appropriate for underground installation.

## CONSTRUCTION

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

**Core insulation:** PVC

**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 (Ø 0.8 mm); plastic-laminated aluminium foil

**Sheath:** PVC

**Weir / Screen:** cross section 3.5 mm<sup>2</sup>; surrounded with 7 bare copper wires (Ø 0.8 mm); lapping with plastic foil

**Outer sheath:** PVC; colour: black RAL 9005 or blue RAL 5015 uv-resistant

## ELECTRICAL CHARACTERISTICS

(Conductor) loop resistance max.	73.2 Ω/km
Insulation resistance min.	100 MΩ x km
Mutual capacitance (800 Hz) max.	100 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

