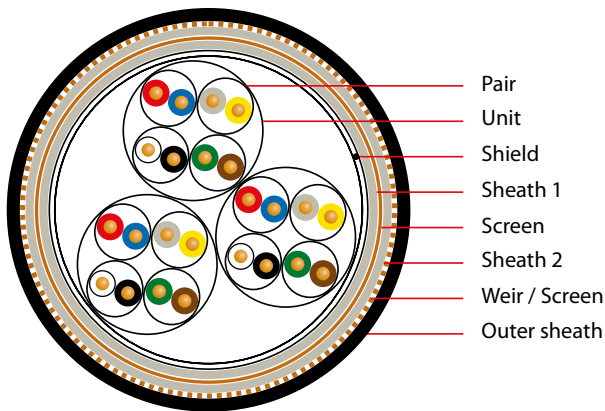


AJ-Y(St)YCYDY-FR Bd Si Cu16

in resemblance to DIN VDE 0815



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 1: PVC

Lapping: plastic foil

Screen: tinned copper wire braid (Ø 0.2 mm); optical coverage approx. 80 %

Sheath 2: PVC

Weir / Screen: cross section 16 mm²; surrounded with 16 bare copper wires (Ø 1.13 mm); lapping with plastic foil

Outer sheath: PVC-FR;

colour: black RAL 9005 or blue RAL 5015 uv-resistant

BEHAVIOUR UNDER FIRE CONDITIONS

Fire retardant: IEC 60332-3-22 / 24, DIN EN 60332-3-22 / 24

Low smoke and fume

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	16.1	410	233
4 x 2 x 0.8	1.8	17.8	475	266
8 x 2 x 0.8	1.8	20.0	575	324
12 x 2 x 0.8	1.8	20.9	650	369
16 x 2 x 0.8	1.8	22.1	725	413
20 x 2 x 0.8	1.8	23.6	820	472
32 x 2 x 0.8	2.0	28.0	1110	622
40 x 2 x 0.8	2.0	30.0	1270	721

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
Test voltage shield-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



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