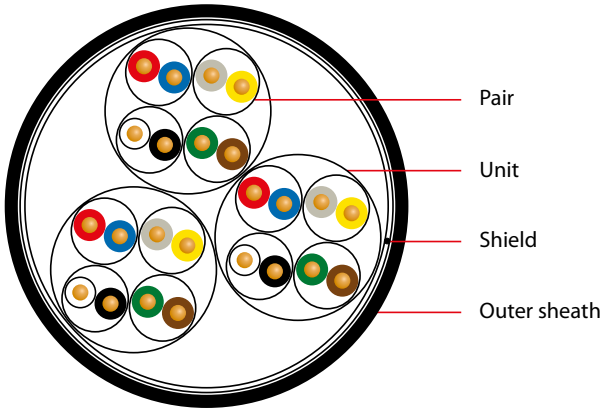
A-Y(St)Y Bd Si Fca

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
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 up to 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	7.5 x diameter

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	7.5	86	25
4 x 2 x 0.8	1.8	10.0	130	45
8 x 2 x 0.8	1.8	12.5	200	85
12 x 2 x 0.8	1.8	14.0	270	126
16 x 2 x 0.8	1.8	15.5	335	166
20 x 2 x 0.8	1.8	16.0	395	206
24 x 2 x 0.8	1.8	18.0	432	246
28 x 2 x 0.8	1.8	18.5	520	287
32 x 2 x 0.8	1.8	20.0	600	327
36 x 2 x 0.8	1.8	20.5	695	367
40 x 2 x 0.8	1.8	22.0	725	407
48 x 2 x 0.8	1.8	24.1	765	488
60 x 2 x 0.8	2.0	27.0	1040	608
80 x 2 x 0.8	2.0	31.0	1360	809

Subject to changes due to technical progress and error

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