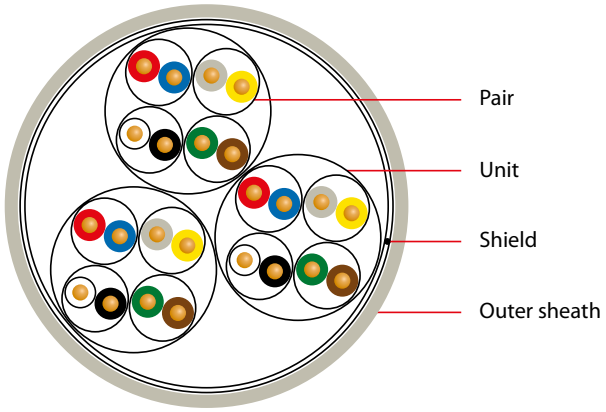
JE-Y(St)Y Bd Si

acc. 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 and 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: pebble grey RAL 7032 or blue RAL 5015

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
1 x 2 x 0.8	1.0	5.0	36	15
2 x 2 x 0.8	1.0	6.6	55	25
4 x 2 x 0.8	1.0	8.3	87	45
8 x 2 x 0.8	1.0	10.5	146	85
12 x 2 x 0.8	1.0	11.8	200	126
16 x 2 x 0.8	1.2	13.5	270	166
20 x 2 x 0.8	1.2	14.7	325	206
24 x 2 x 0.8	1.2	15.8	375	246
28 x 2 x 0.8	1.2	16.2	425	287
32 x 2 x 0.8	1.4	19.0	510	327
36 x 2 x 0.8	1.4	20.3	565	367
40 x 2 x 0.8	1.4	20.7	610	407
48 x 2 x 0.8	1.4	22.3	720	488
60 x 2 x 0.8	1.6	24.3	895	608
80 x 2 x 0.8	1.6	29.5	1200	809
96 x 2 x 0.8	1.6	30.0	1380	1015
100 x 2 x 0.8	1.8	31.0	1450	1420

Subject to changes due to technical progress and error

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