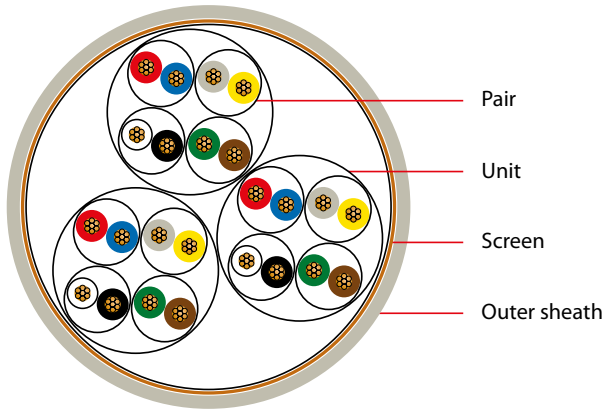


JE-LIYCY Bd Si Eca

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 strand, bare; $7 \times 0.3 \text{ mm} = 0.5 \text{ mm}^2$ ($\varnothing 0.9 \text{ mm}$)

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

Screen: tinned copper wire braid ($\varnothing 0.2 \text{ mm}$); optical coverage approx. 80 %

Outer sheath: PVC; colour: pebble grey RAL 7032 or blue RAL 5015

Dimension	Sheath thickness approx. mm	Diameter approx. mm	Cable weight approx. kg/km	Copper index kg/km
1 x 2 x 0.5	1.0	6.2	60	35
2 x 2 x 0.5	1.0	7.0	75	48
4 x 2 x 0.5	1.0	8.6	120	84
8 x 2 x 0.5	1.0	12.0	200	140
12 x 2 x 0.5	1.2	13.1	265	193
16 x 2 x 0.5	1.2	14.3	325	243
20 x 2 x 0.5	1.2	15.5	385	292
24 x 2 x 0.5	1.2	16.8	450	342
32 x 2 x 0.5	1.4	20.5	610	435
40 x 2 x 0.5	1.4	22.5	720	531
48 x 2 x 0.5	1.6	24.0	850	637

ELECTRICAL CHARACTERISTICS

(Conductor) loop resistance max.	78.4 Ω /km
Insulation resistance min.	100 M Ω 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

Subject to changes due to technical progress and error



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