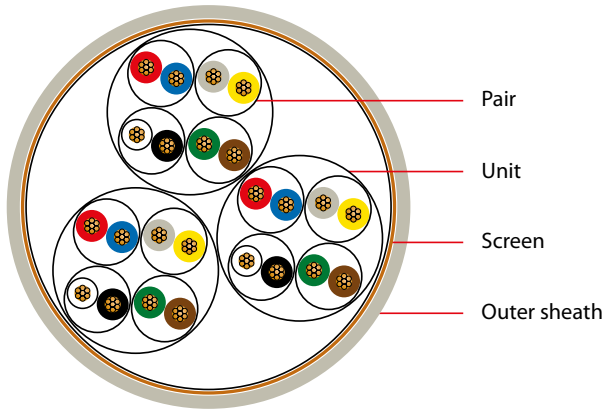


# JE-LIYCY Bd Si

acc. to DIN VDE 0815



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

## 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

## ELECTRICAL CHARACTERISTICS

(Conductor) loop resistance max.	78.4 $\Omega$ /km
Insulation resistance min.	100 M $\Omega$ x km
Mutual capacitance (800 Hz) max.	100 nF/km <small>2 and 4 pair cable plus 20% permitted 1 pair 180nF/km</small>
Capacitance unbalance (800 Hz) max.	200 pF/100m <small>20% of values, min one value up to 400 pF</small>
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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