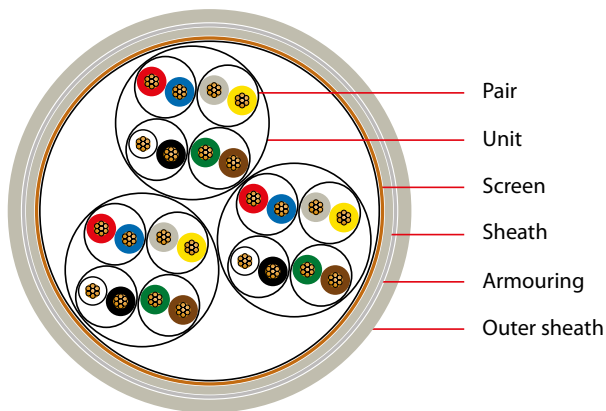


JE-LIYCYSYT-FR Bd Si

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 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 %

Sheath: PVC

Armouring: galvanized steel wire braid ($\varnothing 0.2 \text{ mm}$); optical coverage approx. 80 %

Outer sheath: PVC-FR; termite protected; colour: pebble grey RAL 7032 or blue RAL 5015

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 0.5	1.4	11.0	190	48
4 x 2 x 0.5	1.4	13.0	260	84
8 x 2 x 0.5	1.4	16.0	385	140
12 x 2 x 0.5	1.4	17.0	470	193
16 x 2 x 0.5	1.4	18.0	545	243
20 x 2 x 0.5	1.4	19.5	620	292
32 x 2 x 0.5	1.8	25.5	970	435
40 x 2 x 0.5	1.8	27.0	1120	531

ELECTRICAL CHARACTERISTICS

(Conductor) loop resistance max.	78.4 Ω /km
Insulation resistance min.	100 M Ω x km
Mutual capacitance (800 Hz) max.	120 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
Inductance (guide value)	0.61 mH/km
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	10 x diameter

Subject to changes due to technical progress and error



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