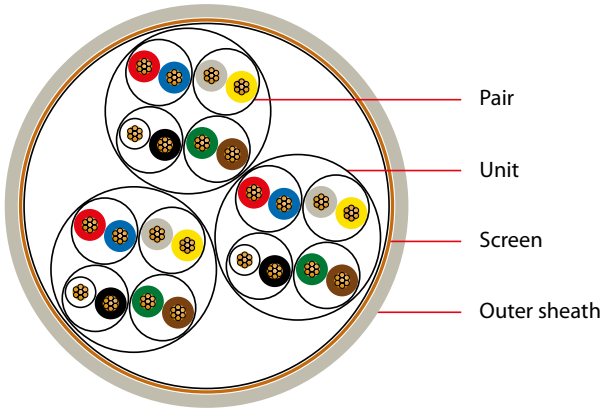
JE-LIYCYT-FR Bd Si

in resemblance to DIN VDE 0815



Dimension	Sheath thickness approx. mm	Diameter approx. mm	Cable weight approx. kg/km	Copper index kg/km
2 x 2 x 0.5	1.0	7.0	82	48
4 x 2 x 0.5	1.0	8.6	130	84
8 x 2 x 0.5	1.0	12.0	215	140
12 x 2 x 0.5	1.2	13.1	280	193
16 x 2 x 0.5	1.2	14.3	340	243
20 x 2 x 0.5	1.2	15.5	400	292
32 x 2 x 0.5	1.4	20.5	620	435
40 x 2 x 0.5	1.4	22.5	730	531

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 x 0.3 mm = 0.5 mm² (Ø 0.9 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 (Ø 0.2 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

ELECTRICAL CHARACTERISTICS

(Conductor) loop resistance max.	78.4 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 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