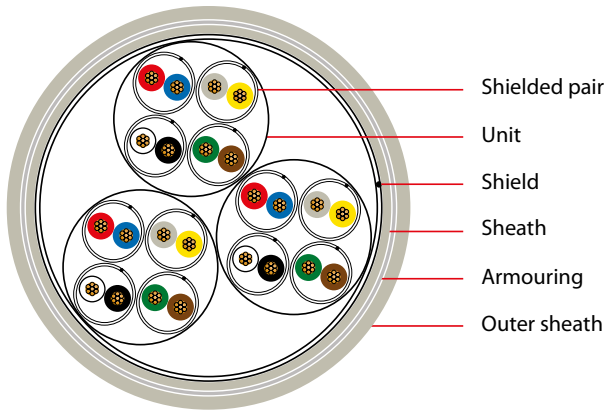


# JE-LIY(St)YSY-FR PimF Bd Si

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	11.4	162	28
4 x 2 x 0.5	1.2	12.0	198	50
8 x 2 x 0.5	1.2	17.4	370	96
12 x 2 x 0.5	1.4	18.7	445	141
16 x 2 x 0.5	1.4	20.1	570	186
20 x 2 x 0.5	1.4	22.1	645	233

## 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 mm<sup>2</sup> (Ø 0.9 mm)

**Core insulation:** PVC

**Shielded pairs:** each pair one layer plastic tape;  
 drain wire: tinned copper strand 7 x 0.16 mm;  
 one layer plastic laminated aluminium foil

**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

**Sheath:** PVC

**Armouring:** galvanized steel wire braid (Ø 0.24 mm);  
 optical coverage approx. 80%

**Outer sheath:** PVC-FR; 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.	180 nF/km
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 2 min
Test voltage core-screen	2000 V 50 Hz 2 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	15 x diameter

Subject to changes due to technical progress and error



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