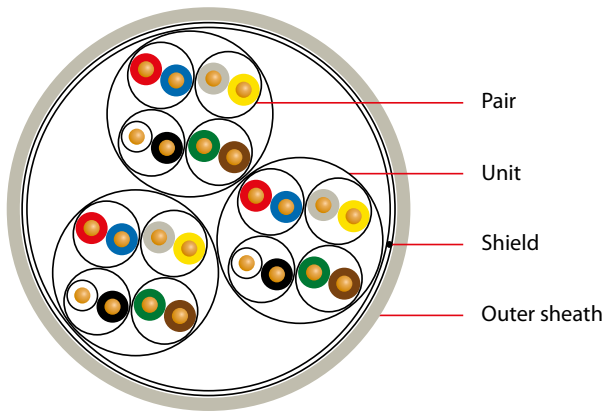


# JE-Y(St)YT-FR Bd Si

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, solid, bare ( $\varnothing$  0.8 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

**Shield:** tinned drain wire ( $\varnothing$  0.8 mm); plastic-laminated aluminium foil

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

## BEHAVIOUR UNDER FIRE CONDITIONS

Fire retardant: IEC 60332-3-24, DIN EN 60332-3-24

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 0.8	1.0	6.6	55	25
4 x 2 x 0.8	1.0	8.3	87	45
8 x 2 x 0.8	1.0	10.5	146	85
12 x 2 x 0.8	1.0	11.8	200	126
16 x 2 x 0.8	1.2	13.5	270	166
20 x 2 x 0.8	1.2	14.7	325	206
32 x 2 x 0.8	1.4	19.0	510	327
40 x 2 x 0.8	1.4	20.7	610	407

## ELECTRICAL CHARACTERISTICS

(Conductor) loop resistance max.	73.2 $\Omega$ /km
Insulation resistance min.	100 M $\Omega$ 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
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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