



J-Y(St)Y Lg Eca

acc. to DIN VDE 0815

APPLICATION

For information transmission in dry and moist production sites, in and under plaster, outdoors for fixed installation
Not approved for power and underground installation.

STANDARDS

DIN VDE 0815 ; directive 2014/35/EU

CONSTRUCTION

Conductor: copper, solid, bare, 0.6/0.8 mm

Core insulation: PVC

Core identification: acc. to DIN VDE 0815

Stranding: cores to pair, pairs twisted to layers

Wrapping: plastic foil

Screening: copper drain wire, plastic-laminated aluminium foil

Sheath material: PVC

Sheath color: grey, RAL 7032

Tracer thread: VDE

BEHAVIOR UNDER FIRE CONDITIONS

EN 60332-1-2 ; EN 50399 ; EN 50575

EN 13501-6 class Eca

CHEMICAL PROPERTIES

RoHS 2011/65/EU

ELECTRICAL CHARACTERISTICS

loop resistance max.	0.6 - 130 Ω / km 0.8 - 73.2 Ω / km
Insulation resistance min.	min. 100 M Ω x km at +20°C
Operating capacity	max. 120 nF/km at 800 Hz
Capacitive coupling K1	max. 300 pF/100 m (20 % of the values at least 1 value up to 500 pF/100 m) at 800 Hz
Test voltage	core-core 800 V/AC core-screen 800 V/AC at 50 Hz - 1 min
Operating voltage	300 V/AC

THERMAL & MECHANICAL PROPERTIES

Temperature range stationary	-30 °C to +70 °C
Temperature range during inst.	-5 °C to +50 °C
min. bending radius installed	8 x outer diameter
min. bending radius moved	8 x outer diameter

Version: 03/2025

We reserve changes which serve technical progress • Price upon quantity-specific request

