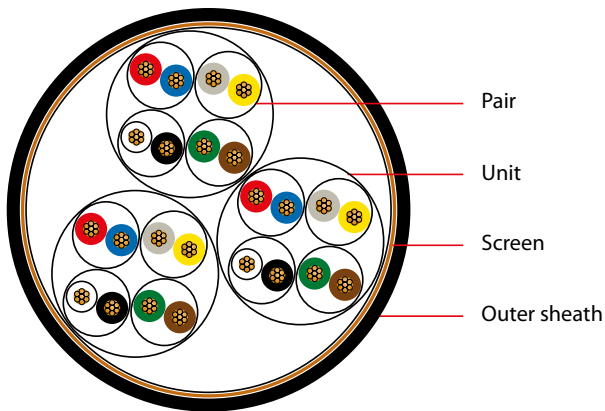


A-LIYCY-FR Bd Si

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	1.8	8.3	110	48
4 x 2 x 0.5	1.8	10.5	150	84
8 x 2 x 0.5	1.8	13.3	240	140
12 x 2 x 0.5	1.8	14.0	300	193
16 x 2 x 0.5	1.8	15.2	360	243
20 x 2 x 0.5	1.8	16.5	425	292
32 x 2 x 0.5	1.8	21.5	640	435
40 x 2 x 0.5	1.8	23.0	750	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 installation, but appropriate for 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 %

Outer sheath: PVC-FR; colour: black RAL 9005 or blue RAL 5015 uv-resistant

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 M Ω 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	7.5 x diameter

Subject to changes due to technical progress and error

