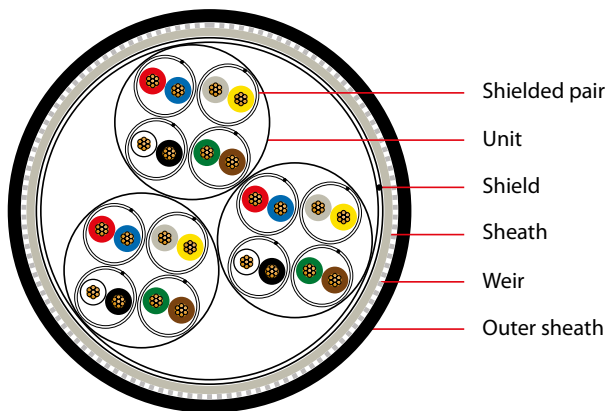


A-LIY(St)YDSYT-FR PimF Bd Si

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 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

Shielded pairs: each pair one layer plastic tape;
drain wire: tinned copper strand $7 \times 0.16 \text{ mm}$;
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 ($\varnothing 0.8 \text{ mm}$); plastic-laminated aluminium foil

Sheath: PVC

Weir / Rodent protection: galvanized steel shield ($\varnothing 0.8 \text{ mm}$);
optical coverage > 85%

Outer sheath: PVC-FR; termite protected; colour: black RAL 9005

BEHAVIOUR UNDER FIRE CONDITIONS

Fire retardant: IEC 60332-3-22 / 24, DIN EN 60332-3-22 / 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 0.5	1.8	13.5	340	28
4 x 2 x 0.5	1.8	14.3	395	50
8 x 2 x 0.5	1.8	19.0	615	96
12 x 2 x 0.5	1.8	20.0	700	141
16 x 2 x 0.5	1.8	22.0	985	186
20 x 2 x 0.5	1.8	23.5	1100	233

ELECTRICAL CHARACTERISTICS

(Conductor) loop resistance max.	78.4 Ω /km
Insulation resistance min.	100 M Ω 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 max. 400 pF</small>
Test voltage core-core	1000 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



T.K. Kabel oHG · Bahnhofstraße 6 · 71384 Weinstadt

Phone +49 (0) 7151/60 68 70 · Fax +49 (0) 7151/60 91 00 · info@tk-kabel.de · www.tk-kabel.de