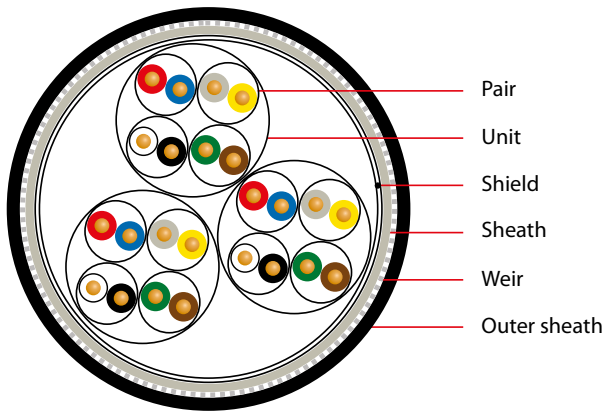


## A-Y(St)YDSYT-FR Bd Si

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 installation, but appropriate for 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

**Sheath:** PVC

**Weir / Rodent protection:** galvanized steel shield ( $\varnothing$  0.8 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 0.8	1.4	11.0	250	25
4 x 2 x 0.8	1.4	12.6	330	45
8 x 2 x 0.8	1.4	15.5	440	85
12 x 2 x 0.8	1.4	16.1	540	126
16 x 2 x 0.8	1.4	17.2	650	166
20 x 2 x 0.8	1.4	19.0	725	206

### 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
Attenuation at 0.8 kHz approx.	0.11 dB/100m
Attenuation at 10 kHz approx.	0.29 dB/100m

### 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