

# BiT Li2YCYv-TP

Data transmission cables, paired, with reduced capacitance and reinforced outer sheath, rated 300/300 V



## Technical data:

### Thermal parameters:

#### Operating temperature:

fixed installation: -40 °C to 80 °C  
flexible connections: -5 °C to 80 °C

### Electrical parameters:

#### Operating voltage:

$U_n/U = 300/300$  V

Test voltage (50 Hz): 1500 V

Insulation resistance: 5 G $\Omega$ km

Capacity (@ 800Hz): max 75 nF/km

Approximate inductance: 0,70 mH/km

### Mechanical parameters:

#### Min. bending radius:

flexible connections: 10x $\varnothing$   
fixed installation: 5x $\varnothing$

## Design:

### Conductors:

bare copper conductors, multi-stranded class 5 acc. to EN 60228

### Insulation:

polyethylene PE

### Core identification:

color coded acc. to 47100

### Core arrangement:

pairs twisted together, core wrapped with polyester tape

### Screen:

made of tinned copper wire braid,

### Outer sheath:

PVC compound, self-extinguishing and flame retardant (acc. to EN 60332-1-2, EN 50265, IEC 60332-1-2), UV resistant (acc. to EN 50525-1 cables with black outer sheath are suitable for permanent outdoor use) colour: black

## Application:

Cable designed for data transmission systems, for the transmission of analogue and digital signals. A common braided screen protects against the influence of external interference fields. Suitable for use indoors, in dry and humid areas, for outdoor applications and for direct burial. Outer sheath is UV resistant. Cables classified according to **EN 50575 (CPR)**.

Cat. no.	n x mm <sup>2</sup>	Outer diameter* [mm]	Approximate cable weight [kg/km]
S31810	1x2x0,5	7,3	68
S31805	2x2x0,5	9,5	110
S31785	3x2x0,5	10,6	132
S31794	4x2x0,5	11,3	155
S31786	6x2x0,5	12,4	190
S31834	8x2x0,5	14,2	235
S31783	1x2x0,75	8,3	90
S31784	2x2x0,75	11,3	150
S31787	1x2x1,0	8,8	100
S31782	2x2x1,0	12,1	175
S31793	3x2x1,0	13,3	205
S31789	4x2x1,0	14,4	240
S31790	6x2x1,0	15,9	310
S31791	8x2x1,0	18,4	390

\*Outer diameter tolerance: +/-5%

Cable Factory BITNER reserves the right to modify the specifications without prior notice

Note: on customer's request other cross sections or number of cores can be produced