

# BiT Li2YCY-P(St)

Data transmission cables, paired with reduced capacitance



## Technical data:

### Thermal parameters:

#### Temperature range:

operating temperature: -40 °C to 80 °C  
installation temperature: -5 °C to 80 °C

### Electrical parameters:

**Operating voltage (max):** U = 300 V

**Test voltage:** 1500 V

**Insulation resistance:** 5 GΩ x km

**Approximate capacitance (at 800 Hz):**

core/core 75 pF/m

**Approx. inductance:** 0,50 mH/km

### Mechanical parameters:

#### Min. bending radius:

flexible connections: 12 x Ø

fixed installation: 6 x Ø

## Design:

### Conductors:

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

### Insulation:

special polyethylene

### Core identification:

colours as per DIN 47100

### Core arrangement:

cores twisted in pairs, pairs individually screened with aluminium backed polyester tape and tinned copper drain wire Ø 0.4 mm

### Collective screen:

tinned copper wire braid

### Outer sheath:

PVC compound, oil resistant (cf. chemical resistance table), self-extinguishing and flame retardant (as per EN 60332-1-2); colour: grey

## Application:

Cables designed for cabling data transmission systems, for transmission of signals under conditions of high attenuation requirements, and for crosstalk. Common braided screen provides additional protection against the impact of strong interfering fields. In order to maintain EMC electromagnetic compatibility, it is recommended to earth the screen at both ends of the cable. Cable is suitable for indoor applications only. Cables classified according to **EN 50575 (CPR)**.

Cat. no.	n x mm <sup>2</sup>	Outer diameter* [mm]	Approximate cable weight [kg/km]
S31705	2x2x0,34	6,7	63,0
S31706	3x2x0,34	7,4	73,0
S31707	4x2x0,34	8,3	96,0
S31708	8x2x0,34	10,8	164,0
S31709	10x2x0,34	11,4	191,0
S31710	2x2x0,5	7,8	77,0
S31711	3x2x0,5	9,0	100,0
S31712	4x2x0,5	9,8	122,0
S31713	8x2x0,5	12,8	210,0
S31714	10x2x0,5	14,0	260,0

Cat. no.	n x mm <sup>2</sup>	Outer diameter* [mm]	Approximate cable weight [kg/km]
S31715	2x2x0,75	9,6	115,0
S31716	3x2x0,75	10,9	142,0
S31717	4x2x0,75	12,1	175,0
S31718	8x2x0,75	16,2	315,0
S31719	10x2x0,75	17,3	368,0
S31720	2x2x1,0	10,4	135,0
S31721	3x2x1,0	11,8	168,0
S31722	4x2x1,0	13,5	215,0
S31723	8x2x1,0	18,0	361,0
S31724	10x2x1,0	19,0	450,0

\*Outer diameter tolerance: +/-5%

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