



## Technical data:

### Thermal parameters:

#### Temperature range:

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

### Electrical parameters:

**Max operating voltage:** 75 V

**Conductor resistance (20 °C) max:**

81 Ω/km

**Insulation resistance (min):** 100 MΩ x km

**Test voltage:** 500 V

**Effective capacitance in pair (800 Hz):**

80 nF/km

**Characteristic impedance (10MHz):**

75 Ω ± 10 %

### Mechanical parameters:

**Min bendig radius:** 10 x Ø

## Design:

### Conductors:

tinned copper conductors, stranded class 2, cross section 0,5 mm<sup>2</sup> (construction 7 x 0,3 mm)

PVC compound

### Insulation:

**Core identification:** orange and white with printed numbers

**Common screen:** aluminium backed polyester tape, tinned copper drain wire class 2, 0,5 mm<sup>2</sup> (construction 7 x 0,3 mm) placed under the tape

### Outer sheath:

special self-extinguishing, flame retardant (PN-EN 60332-1-2) PVC compound; colour: grey, RAL 7035

## Application:

Cables are intended for analog and digital signals transmission. Screened pairs, twisted together ensure very good attenuation loss characteristics while common screen protects against external electromagnetic fields. They are suitable for fixed installations in places not exposed to mechanical stresses. They are intended for internal application only. Cables classified according to **EN 50575 (CPR)**.

Cat. no.	n x mm <sup>2</sup>	Outer diameter* [mm]	Approximate cable weight [kg/km]
S10670	2x2x0,5+0,5	7,0	62
S10671	4x2x0,5+0,5	8,8	94
S10672	8x2x0,5+0,5	11,3	160
S10673	12x2x0,5+0,5	13,0	230
S10674	24x2x0,5+0,5	17,0	415
S10675	48x2x0,5+0,5	24,0	800

\*Outer diameter tolerance: +/-5%

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