



# PE-ALT-CLT Balise

Railway signalling cable, unscreened, armoured

RAILWAY SIGNALLING AND TELECOMMUNICATIONS CABLES

Safety and control cable for fixed installation in railway installations.



## TECHNICAL DATA



**Standard**  
SBB-Standard OFF FFS 3001.52.2000



**Test Voltage**  
core/core 2500 V / 50 Hz  
core/screen 2500 V / 50 Hz



**Rated Voltage**  
420 V<sub>eff</sub> (AC)  
600 V (DC)



**Bending radius (min.)**  
20 x Ø of cable

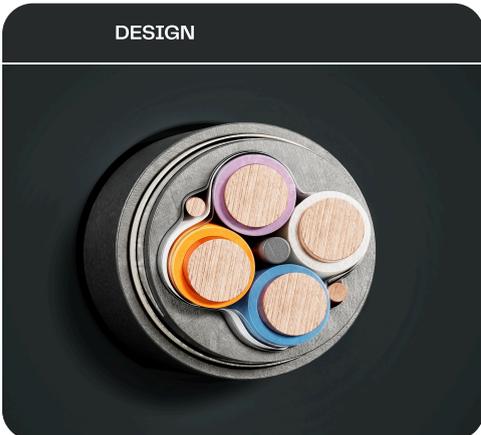


**Core identification**  
SBB-Standard OFF FFS 3001.52.2000



**Temperature range**  
Laying temperature: min. -5°C  
Operating temperature: -40°C up to 70°C

## DESIGN



- 1 Copper conductor, round solid (RE)
- 2 Core insulation (PE), cores star quaded and quads stranded in layers
- 3 Inner covering (plastic tape)
- 4 Sheath (PE, black)
- 5 Armouring (two layers galvanized steel tapes)
- 6 Sheath (PE black, UV-resistant)

## Electrical parameters

Loop resistance max	$\Omega$ /km	19.8
Insulation resistance, min. at 20 °C	M $\Omega$ /km	10000
Mutual capacitance, max. (+/- 15%)	nF/km	42.3
Capacitance unbalance at 800 Hz, k1 max.	pF/km	240
Capacitance unbalance earth/core at 800 Hz, ea1, ea2 max.	pF/km	640
Characteristic impedance at 0,56/0,80 MHz, max. (+/- 10%)	$\Omega$	120
Characteristic impedance at 1,80 MHz, max. (+/- 5%)	$\Omega$	120
Attenuation at 8,82 kHz, max.	dB/100 m	0.08
Attenuation at 0,56 MHz, max.	dB/100 m	0.4
Attenuation at 0,80 MHz, max.	dB/100 m	0.5
Attenuation at 1,80 MHz, max.	dB/100 m	0.8

Number of quads x conductor diameter	Outer diameter appr. (mm)	Total weight appr. (kg/km)
1 x 4 x 1.53	16.5	332

## CONTACT PERSON

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