PRAKAB

We Make Modern Life Possible.



PE-ALT-CLT Balise

Railway signalling cable, unscreened, armoured

Safety and control cable for fixed installation in railway installations.

TECHNICAL DATA

Standard
SBB-Standard CFF FFS 3001.52.2000

Core identification
SBB-Standard CFF FFS 3001.52.2000

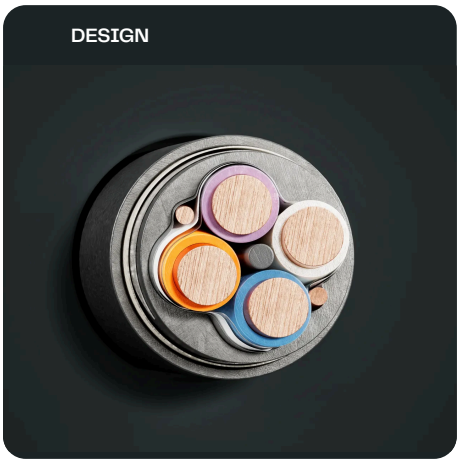
Test Voltage
core/core 2,5 kV / 50 Hz
core/screen 2,5 kV / 50 Hz

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

Rated Voltage
420 Veff (AC)
600 V (DC)

Bending radius (min.)
20 x Ø of cable

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. Inner sheath (PE, black)
5. Armouring (two layers galvanized steel tapes)
6. Outer sheath (PE black, UV-resistant)

Electrical Parameters		
Loop resistance max	Ω/km	19.8
Insulation resistance, min. at 20 °C	MΩ/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 impendace at 0,56/0,80 MHz, max. (+/- 10%)	Ω	120
Characteristic impendace at 1,80 MHz, max. (+/- 5%)	Ω	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

Technical changes reserved. All figures are therefore without guarantee.

CONTACT PERSON

Ing. Štěpán Laštůvka
Product Supervisor
+420 732 912 682
stepan.lastuvka@prakab.com

