

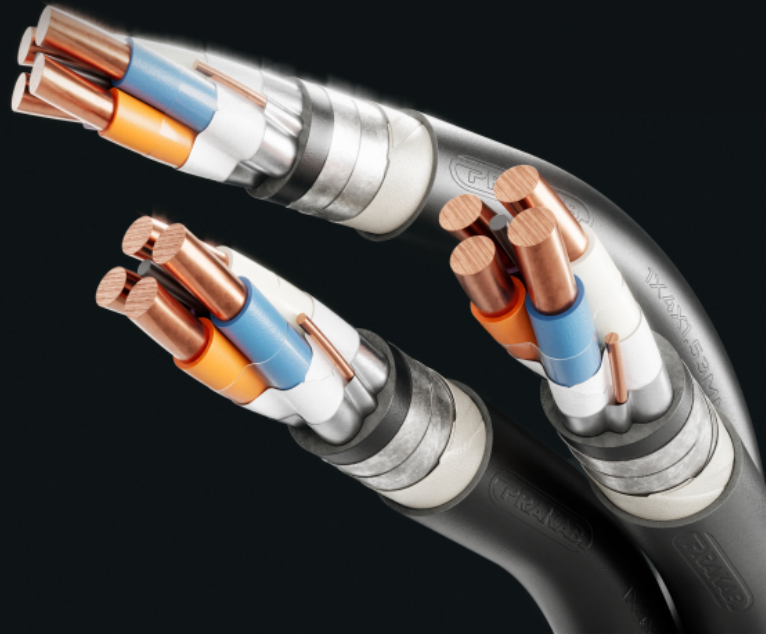


PE-ALT-CLT Balise

Railway signalling cable, unscreened, armoured

RAILWAY SBB

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_{eff} (AC)
600 V (DC)



Bending radius (min.)

20 x Ø of cable



Core identification

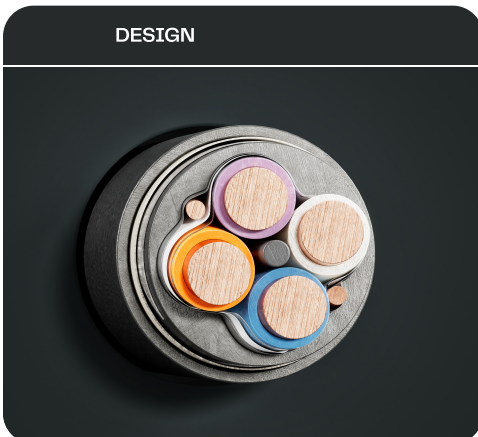
SBB-Standard OFF FFS 3001.52.2000



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	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 impedance at 0,56/0,80 MHz, max. (+/- 10%)	Ω	120
Characteristic impedance 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

1 x 4 x 1.53

Outer diameter appr. (mm)

16.5

Total weight appr. (kg/km)

332

CONTACT PERSON

Ing. Dan Bachtik
Product Supervisor
+420734366090
dan.bachtik@prakab.cz

