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PE-ALT-CLT

Railway signalling cable, unscreened, armoured

Safety and control cable for fixed installation in railway installations.

TECHNICAL DATA

Standard
SBB-Standard CFF FFS 3001.52.1000

Core identification
SBB-Standard CFF FFS 3001.52.1000

Test Voltage
core/core 2 kV / 50 Hz
core/screen 2 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			
Conductor diameter	mm	0.8	1.5
Loop resistance max	Ω/km	73.5	20.9
Capacitance unbalance at 800 Hz, k1 max.	pF/km	380	380
Capacitance unbalance k9 – k12, max. at 800 Hz	pF/km	200	200
Capacitance unbalance earth/core at 800 Hz, ea1, ea2 max.	pF/km	640	640
Mutual capacitance, max.	nF/km	49	55

Number of quads x conductor diameter	Outer diameter appr. (mm)	Total weight appr. (kg/km)
1 x 4 x 0.8	15.3	261
3 x 4 x 0.8	19.4	410
5 x 4 x 0.8	22.5	547
10 x 4 x 0.8	27.2	790
20 x 4 x 0.8	33.5	1241
30 x 4 x 0.8	38.3	1582
50 x 4 x 0.8	47.1	2365
1 x 4 x 1.5	17.9	387
3 x 4 x 1.5	25.6	765
5 x 4 x 1.5	29.4	1024
10 x 4 x 1.5	37.4	1682

Technical changes reserved. All figures are therefore without guarantee.



CONTACT PERSON

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