We Make Modern Life Possible.

S-2Y2YBY single core

Railway signalling cable, unscreened, armoured

Safety and control cable for fixed installation in railway installations. The cables must be protected from the constant influence of sunlight.



TECHNICAL DATA

Standard
ÖVE-K 11

Test Voltage
core/core 3,5 kV / 50 Hz

Rated Voltage
max. 800 Veff

Bending radius (min.)
12 x Ø of cable

Fire properties
EN 60332-1-2: Flame retardant

Core identification
Colour code with blue trace core in each layer

Temperature range
Laying temperature: min. -5°C
Operating temperature: -30°C up to 60°C
Conductor temperature: max. 80°C

DESIGN



1. Copper conductor, round solid (RE)
2. Core insulation (PE), cores stranded in layers
3. Inner covering (plastic tape)
4. Inner sheath (PE, black)
5. Armouring (bare steel tape, wrapped with plastic tape)
6. Sheath (PVC grey RAL 7035)

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Number of cores x nominal cross-section (mm²)	Standard lengths/packing (m)	Outer diameter appr. (mm)	Total weight appr. (kg/km)
5 x 0.75	1000 D	13.6	233
10 x 0.75	1000 D	16.2	328
15 x 0.75	1000 D	17.6	398
20 x 0.75	1000 D	18.8	467
30 x 0.75	1000 D	21.0	604
40 x 0.75	1000 D	22.8	730
60 x 0.75	1000 D	26.9	1015
80 x 0.75	1000 D	30.0	1272
100 x 0.75	1000 D	33.2	1520
5 x 1.5	1000 D	14.7	290
10 x 1.5	1000 D	17.8	431
14 x 1.5	1000 D	18.8	512
15 x 1.5	1000 D	19.5	542
19 x 1.5	1000 D	20.2	619
20 x 1.5	1000 D	21.0	663
30 x 1.5	1000 D	24.3	911
40 x 1.5	1000 D	26.5	1122
48 x 1.5	1000 D	28.5	1294
50 x 1.5	1000 D	29.3	1352
60 x 1.5	1000 D	30.9	1548
80 x 1.5	1000 D	35.0	1998
100 x 1.5	1000 D	38.8	2418
200 x 1.5	1000 D	50.5	4381
2 x 2.5	1000 D	14.1	252
5 x 2.5	1000 D	16.2	368
10 x 2.5	1000 D	20.1	570
15 x 2.5	1000 D	22.1	749
20 x 2.5	1000 D	24.7	958
30 x 2.5	1000 D	27.9	1278
40 x 2.5	1000 D	30.9	1621
60 x 2.5	1000 D	36.6	2308
80 x 2.5	1000 D	41.2	2944
100 x 2.5	1000 D	46.6	3652
5 x 4	1000 D	18.5	507
7 x 4	1000 D	19.7	603
10 x 4	1000 D	24.2	862
15 x 4	1000 D	26.9	1129
20 x 4	1000 D	29.6	1425
30 x 4	1000 D	33.8	1930
40 x 4	1000 D	38.0	2515
60 x 4	1000 D	45.5	3620
80 x 4	1000 D	51.7	4665
100 x 4	1000 D	58.5	5788
4 x 6	1000 D	18.7	535

Number of cores x nominal cross-section (mm^2)	Standard lengths/packing (m)	Outer diameter appr. (mm)	Total weight appr. (kg/km)
5 x 6	1000 D	19.9	625
10 x 6	1000 D	26.3	1101
20 x 6	1000 D	32.4	1880
24 x 6	1000 D	36.0	2253
30 x 6	1000 D	37.8	2664
5 x 10	1000 D	22.6	880

Technical changes reserved. All figures are therefore without guarantee.



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