

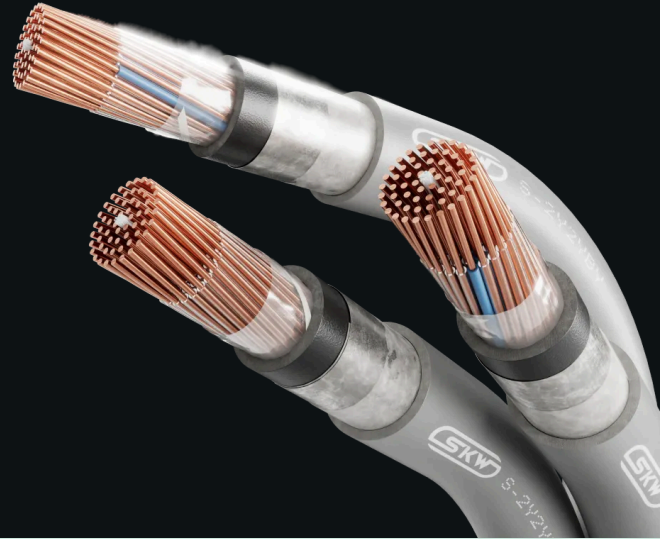


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RAILWAY SIGNALLING CABLES

S-2Y2YBY single core

Railway signalling cable, unscreened, armoured



TECHNICAL DATA

	Standard ÖVE-K 11		Core identification Colour code with blue trace core in each layer
	Rated Voltage max. 800 Veff (? 0.75 mm ²)		Fire properties EN 60332-1-2: flame retardant
	Test Voltage 800 Veff (0,14 mm) / 50 Hz 1200 Veff (≥ 0,25 mm) / 50 Hz		Temperature range Laying temperature: min. -5°C Operating temperature: -30°C up to 60°C Conductor temperature: max. 80°C
	Bending radius (min.) 12 x Ø of cable		

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)

Electrical Parameters

Conductor diameter	mm	0.75	1.5	2.5	4	6
Conductor resistance, max. at 20 °C	Ω/km	24.5	12.1	7.3	4.6	3
Insulation resistance, min. at 20 °C	MΩ/km	5000	5000	5000	5000	5000
Mutual capacitance (approx. value), at 800 Hz	nF/km	100	120	120	120	120

Number of cores x nominal cross-section (mm²)	Outer diameter appr. (mm)	Total weight appr. (kg/km)	Standard lengths/packing (m)
2 x 2.5	14.1	252	1000 T
4 x 6	18.7	535	1000 T
5 x 0.75	13.6	233	1000 T
5 x 1.5	14.7	290	1000 T
5 x 2.5	16.2	368	1000 T
5 x 4	18.5	507	1000 T
5 x 6	19.9	625	1000 T
5 x 10	22.6	880	1000 T
7 x 4	19.7	603	1000 T
10 x 0.75	16.2	328	1000 T
10 x 1.5	17.8	431	1000 T
10 x 2.5	20.1	570	1000 T
10 x 4	24.2	862	1000 T
10 x 6	26.3	1101	1000 T
14 x 1.5	18.8	512	1000 T
15 x 0.75	17.6	398	1000 T
15 x 1.5	19.5	542	1000 T
15 x 2.5	22.1	749	1000 T
15 x 4	26.9	1129	1000 T
19 x 1.5	20.2	619	1000 T
20 x 0.75	18.8	467	1000 T
20 x 1.5	21.0	663	1000 T
20 x 2.5	24.7	958	1000 T
20 x 4	29.6	1425	1000 T
20 x 6	32.4	1880	1000 T
24 x 6	36.0	2253	1000 T
30 x 0.75	21.0	604	1000 T
30 x 1.5	24.3	911	1000 T
30 x 2.5	27.9	1278	1000 T
30 x 4	33.8	1930	1000 T
30 x 6	37.8	2664	1000 T
40 x 0.75	22.8	730	1000 T
40 x 1.5	26.5	1122	1000 T
40 x 2.5	30.9	1621	1000 T
40 x 4	38.0	2515	1000 T
48 x 1.5	28.5	1294	1000 T
50 x 1.5	29.3	1352	1000 T
60 x 0.75	26.9	1015	1000 T



Number of cores x nominal cross-section (mm ²)	Outer diameter appr. (mm)	Total weight appr. (kg/km)	Standard lengths/packing (m)
60 x 1.5	30.9	1548	1000 T
60 x 2.5	36.6	2308	1000 T
60 x 4	45.5	3620	1000 T
80 x 0.75	30.0	1272	1000 T
80 x 1.5	35.0	1998	1000 T
80 x 2.5	41.2	2944	1000 T
80 x 4	51.7	4665	1000 T
100 x 0.75	33.2	1520	1000 T
100 x 1.5	38.8	2418	1000 T
100 x 2.5	46.6	3652	1000 T
100 x 4	58.5	5788	1000 T
200 x 1.5	50.5	4381	1000 T

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