

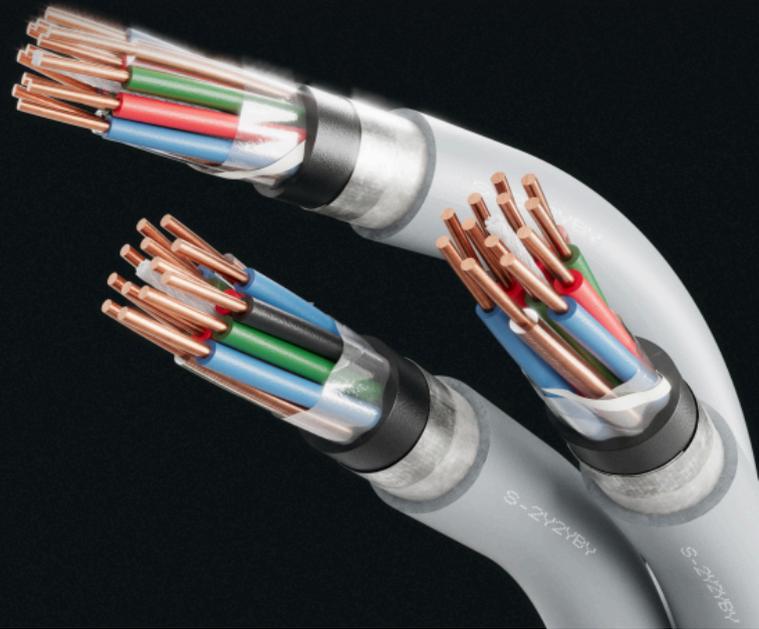


# S-2Y2YBY quad

Railway signalling cable, unshielded, armoured

RAILWAY SIGNALLING AND TELECOMMUNICATIONS CABLES

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**  
2500 Veff / 50 Hz



**Rated Voltage**  
max. 250 V



**Bending radius (min.)**  
12 x Ø of cable



**Fire properties**  
EN 60332-1-2: flame retardant



**Core identification**  
Colour code with trace quad 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 star quaded and quads stranded in layers
- 3 Inner covering (plastic foil)
- 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	0.8	0.9	1.4
Loop resistance max	Ω/km	73.2	56.6	23.4
Insulation resistance, min. at 20 °C	MΩ/km	10000	10000	10000

Number of quads x conductor diameter	Outer diameter appr. (mm)	Total weight appr. (kg/km)	Standard lengths/packing (m)
1 x 4 x 0.8	12.3	210	500 T, 1000 T
1 x 4 x 0.9	14.0	244	500 T, 1000 T
1 x 4 x 1.4	15.7	331	500 T, 1000 T
2 x 4 x 0.8	17.3	294	500 T, 1000 T
2 x 4 x 0.9	18.0	337	500 T, 1000 T
2 x 4 x 1.4	24.5	608	500 T, 1000 T
3 x 4 x 0.8	18.4	353	500 T, 1000 T
3 x 4 x 0.9	18.2	403	500 T, 1000 T
3 x 4 x 1.4	25.3	698	500 T, 1000 T
5 x 4 x 0.8	20.6	469	500 T, 1000 T
5 x 4 x 0.9	21.0	573	500 T, 1000 T
5 x 4 x 1.4	29.5	977	500 T, 1000 T
7 x 4 x 0.8	21.0	546	500 T, 1000 T
7 x 4 x 0.9	23.2	670	500 T, 1000 T
7 x 4 x 1.4	32.6	1181	500 T, 1000 T
10 x 4 x 0.8	25.5	754	500 T, 1000 T
10 x 4 x 0.9	27.2	881	500 T, 1000 T
10 x 4 x 1.4	39.3	1639	500 T, 1000 T
15 x 4 x 0.8	29.0	979	500 T, 1000 T
15 x 4 x 0.9	31.1	1151	500 T, 1000 T
15 x 4 x 1.4	46.5	2195	500 T, 1000 T
20 x 4 x 1.8	32.1	1182	500 T, 1000 T
20 x 4 x 0.9	35.3	1449	500 T, 1000 T
20 x 4 x 1.4	52.5	2816	500 T, 1000 T
25 x 4 x 0.8	35.6	1435	500 T, 1000 T
25 x 4 x 0.9	38.7	1696	500 T, 1000 T
25 x 4 x 1.4	57.8	3414	500 T, 1000 T

## CONTACT PERSON

**Dogan Özcan**  
Head of Technical Department  
+43 (0) 1 70170-154  
dogan.oezcan@skw.at

