

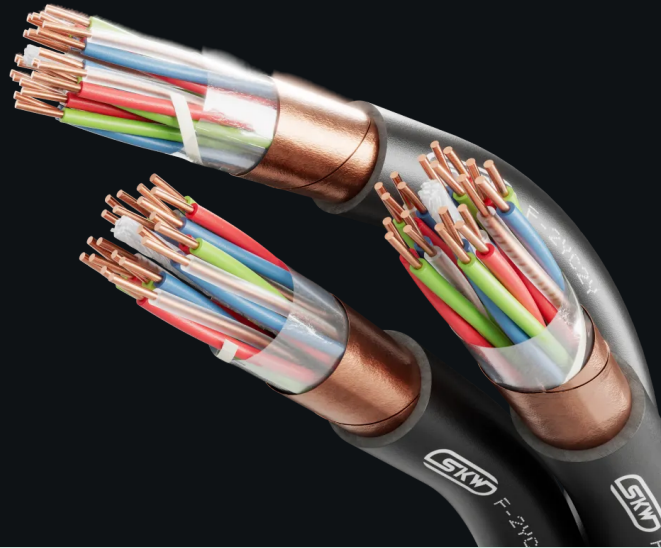


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RAILWAY SIGNALLING AND TELECOMMUNICATIONS CABLES

F-2YC2Y

Telecommunication underground cable,
screened



TECHNICAL DATA



Standard
adapted to Telekom Austria-Standard X 5019



Test Voltage
500 Veff (core/core) / 50 Hz
2000 Veff (core/screen) / 50 Hz



Rated Voltage
max. 200 Veff



Bending radius (min.)
10 x Ø of cable



Fire properties
CPR classification: Fca



Core identification
Colour code with trace quad in each layer (TA standard)



Temperature range
Laying temperature: min. -20°C
Fixed installation: -20°C up to 70°C
Flexible use: -20°C up to 50°C

DESIGN



Copper conductor, round solid (RE)



Core insulation (PE), cores star quaded and quads stranded in layers



Taping (plastic foil)



Screen (copper foil with drain wire)



Sheath (PE black, UV-resistant)

Electrical parameters

Conductor diameter	mm	0.6	0.8
Conductor resistance, max. at 20 °C	Ω/km	130	73.2
Insulation resistance, min. at 20 °C	MΩ/km	10000	10000
Mutual capacitance (approx. value), at 800 Hz	nF/km	55	55

Number of pairs x nominal diameter	Outer diameter appr. (mm)	Total weight appr. (kg/km)	Standard lengths/packing (m)
2 x 2 x 0.6	7.0	55	500 T, 1000 T
6 x 2 x 0.6	10.2	115	500 T, 1000 T
10 x 2 x 0.6	13.0	150	500 T, 1000 T
20 x 2 x 0.6	15.0	245	500 T, 1000 T
30 x 2 x 0.6	16.5	325	500 T, 1000 T
40 x 2 x 0.6	17.7	405	500 T, 1000 T
50 x 2 x 0.6	20.0	485	500 T, 1000 T
60 x 2 x 0.6	21.0	560	500 T, 1000 T
80 x 2 x 0.6	23.2	730	500 T, 1000 T
100 x 2 x 0.6	26.0	880	500 T, 1000 T
2 x 2 x 0.8	8.5	75	500 T, 1000 T
6 x 2 x 0.8	11.5	150	500 T, 1000 T
10 x 2 x 0.8	13.4	225	500 T, 1000 T
20 x 2 x 0.8	17.0	375	500 T, 1000 T
30 x 2 x 0.8	18.5	515	500 T, 1000 T
40 x 2 x 0.8	21.4	635	500 T, 1000 T
50 x 2 x 0.8	24.5	755	500 T, 1000 T
60 x 2 x 0.8	25.6	885	500 T, 1000 T
80 x 2 x 0.8	29.4	1150	500 T, 1000 T
100 x 2 x 0.8	34.0	1410	500 T, 1000 T

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