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RAILWAY SIGNALLING AND TELECOMMUNICATIONS CABLES

F-2YA2Y

Telecommunication underground cable,
screened



TECHNICAL DATA



Standard
adapted to Telekom Austria-Standard X 5019
EN 50556



Test Voltage
500 V (core/core) / 50 Hz
2 kV (core/screen) / 50 Hz



Rated Voltage
max. 200 V_{eff}



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
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 tape)

4

Screen (plastic laminated aluminium tape with drain wire)

5

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	7.2	47	500 T, 1000 T
6 x 2 x 0.6	9.3	85	500 T, 1000 T
10 x 2 x 0.6	10.5	118	500 T, 1000 T
20 x 2 x 0.6	14.5	207	500 T, 1000 T
30 x 2 x 0.6	15.3	274	500 T, 1000 T
40 x 2 x 0.6	16.6	345	500 T, 1000 T
50 x 2 x 0.6	18.0	417	500 T, 1000 T
60 x 2 x 0.6	19.4	489	500 T, 1000 T
100 x 2 x 0.6	25.5	792	500 T, 1000 T
2 x 2 x 0.8	7.9	60	500 T, 1000 T
4 x 2 x 0.8	11.0	103	500 T, 1000 T
6 x 2 x 0.8	10.6	121	500 T, 1000 T
10 x 2 x 0.8	12.1	175	500 T, 1000 T
20 x 2 x 0.8	17.2	317	500 T, 1000 T
30 x 2 x 0.8	18.1	432	500 T, 1000 T
40 x 2 x 0.8	19.8	552	500 T, 1000 T
50 x 2 x 0.8	21.5	672	500 T, 1000 T
60 x 2 x 0.8	23.5	797	500 T, 1000 T
100 x 2 x 0.8	31.1	1303	500 T, 1000 T

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