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TELECOMMUNICATION CABLES

F-2YA2Y

Telecommunication underground cable, screened

Underground cable for use in telecommunications installations and related installations. Suitable for installation under ground, in water, cable ducts etc.

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 Veff

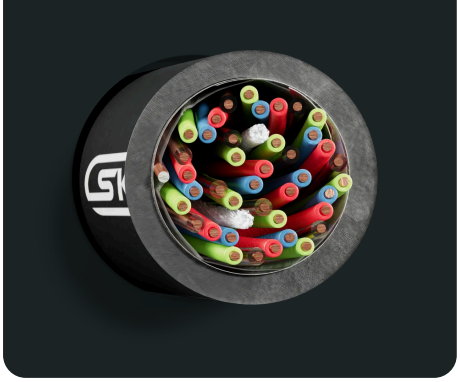
Bending radius (min.)
10 x Ø of cable

Fire properties
CPR classification: Fca

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

Temperature range
Laying temperature: min. -20°C
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

Technical changes reserved. All figures are therefore without guarantee.



CONTACT PERSON

Natalia Dikovits
Sales
+43 (0) 1 70170-120
natalia.dikovits@skw.at