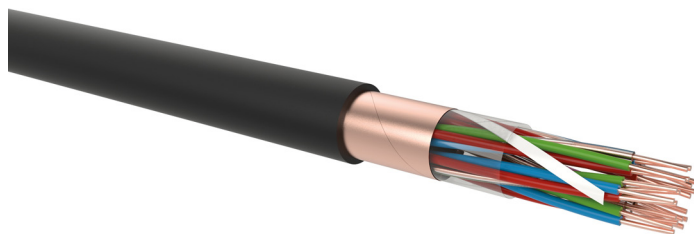


F-2YC2Y

Telecommunication underground cable, screened

DESIGN



- 1 | Copper conductor, round solid (RE)
- 2 | Core insulation (PE), cores star quaded and quads stranded in layers
- 3 | Taping (plastic foil)
- 4 | Screen (copper foil with drain wire)
- 5 | Sheath (PE black, UV-resistant)

APPLICATION

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



Operating voltage:
max. 200 Veff



Test voltage:
500 Veff (core/core) / 50 Hz
2000 Veff (core/screen) / 50 Hz



Temperature range:
laying temperature: min. -20 °C
fixed: -20 °C up to 70 °C
moved: -20 °C up to 50 °C



Bending radius (min.):
10 x Ø of cable



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



Fire properties:
CPR classification: F_{ca}

ELECTRICAL PARAMETERS

Parameter	Unit	0.6	0.8
Conductor diameter	(mm)	0.6	0.8
Loop resistance, max.	(Ω/km)	130	73.2
Insulation resistance, min. at 20 °C	(MΩ.km)	10000	10000
Mutual capacitance, max. at 800 Hz	(nF/km)	55	55
Capacitance unbalance K ₁ , max. at 800 Hz	(pF/300m)	800	800
Capacitance unbalance K ₉ -K ₁₂ , max. at 800 Hz	(pF/300m)	300	300
Capacitance unbalance E ₁ -E ₂ , max. at 800 Hz	(pF/300m)	800	800

Number of pairs x nominal diameter (mm)	Outer diameter (mm) appr.	Total weight (kg/km) appr.	Standard lengths/packing (m)
F-2YC2Y			
2 x 2 x 0.6	7.0	55	500 D, 1000 D
6 x 2 x 0.6	10.2	115	500 D, 1000 D
10 x 2 x 0.6	13.0	150	500 D, 1000 D
20 x 2 x 0.6	15.0	245	500 D, 1000 D
30 x 2 x 0.6	16.5	325	500 D, 1000 D
40 x 2 x 0.6	17.7	405	500 D, 1000 D
50 x 2 x 0.6	20.0	485	500 D, 1000 D
60 x 2 x 0.6	21.0	560	500 D, 1000 D

F-2YC2Y

Telecommunication underground cable, screened

Number of pairs x nominal diameter (mm)	Outer diameter (mm) appr.	Total weight (kg/km) appr.	Standard lengths/packing (m)
F-2YC2Y			
80 x 2 x 0.6	23.2	730	500 D, 1000 D
100 x 2 x 0.6	26.0	880	500 D, 1000 D
2 x 2 x 0.8	8.5	75	500 D, 1000 D
6 x 2 x 0.8	11.5	150	500 D, 1000 D
10 x 2 x 0.8	13.4	225	500 D, 1000 D
20 x 2 x 0.8	17.0	375	500 D, 1000 D
30 x 2 x 0.8	18.5	515	500 D, 1000 D
40 x 2 x 0.8	21.4	635	500 D, 1000 D
50 x 2 x 0.8	24.5	755	500 D, 1000 D
60 x 2 x 0.8	25.6	885	500 D, 1000 D
80 x 2 x 0.8	29.4	1150	500 D, 1000 D
100 x 2 x 0.8	34.0	1410	500 D, 1000 D

Technical changes reserved. All figures are therefore without guarantee.

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