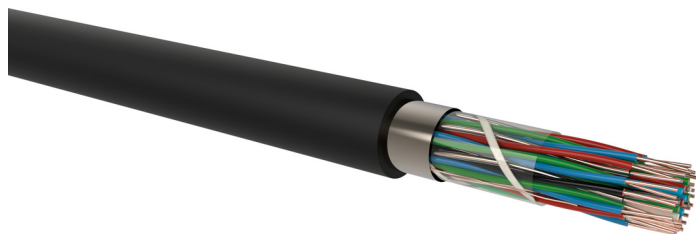


F-2YJA2Y

Telecommunication underground cable, screened, longitudinally water-proof

DESIGN



- 1 | Copper conductor, round solid (RE)
- 2 | Core insulation (foam skin PE), cores star quaded and quads stranded in layers, core stranding petrol jelly filled
- 3 | Inner covering (plastic foil)
- 4 | Screen (copolymer laminated aluminium tape which is welded to the PE sheath)
- 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 V (core/core) / 50 Hz
2 kV (core/screen) / 50 Hz



Temperature range:
laying temperature: min. -20 °C
fixed: -20 °C up to 50 °C
moved: -20 °C up to 70 °C
conductor temperature: max. 80 °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

Conductor diameter	(mm)	0.6	0.8
Loop resistance, max.	(Ω/km)	130	73.2
Insulation resistance, min. at 20 °C	(MΩ.km)	5000	5000
Mutual capacitance, max. at 800 Hz (80% of values)	(nF/km)	50	50
Mutual capacitance, max. at 800 Hz (100 % of values)	(nF/km)	52	52
Capacitance unbalance K ₁ , max. at 800 Hz (95% of values)	(pF/300m)	400	400
Capacitance unbalance K1, max. at 800 Hz (100% of values)	(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-2YJA2Y			
6 x 2 x 0.6	10.7	122	500 D, 1000 D
10 x 2 x 0.6	12.1	165	500 D, 1000 D
20 x 2 x 0.6	17.0	319	500 D, 1000 D

F-2YJA2Y

Telecommunication underground cable, screened, longitudinally water-proof

Number of pairs x nominal diameter (mm)	Outer diameter (mm) appr.	Total weight (kg/km) appr.	Standard lengths/packing (m)
F-2YJA2Y			
30 x 2 x 0.6	17.9	391	500 D, 1000 D
40 x 2 x 0.6	19.4	481	500 D, 1000 D
50 x 2 x 0.6	21.1	582	500 D, 1000 D
60 x 2 x 0.6	22.2	664	500 D, 1000 D
80 x 2 x 0.6	29.0	978	500 D, 1000 D
100 x 2 x 0.6	31.1	1162	500 D, 1000 D
6 x 2 x 0.8	12.1	165	500 D, 1000 D
10 x 2 x 0.8	13.8	232	500 D, 1000 D
20 x 2 x 0.8	19.8	267	500 D, 1000 D
30 x 2 x 0.8	20.9	586	500 D, 1000 D
40 x 2 x 0.8	22.8	730	500 D, 1000 D
20 x 2 x 0.8	25.3	905	500 D, 1000 D
60 x 2 x 0.8	31.0	1114	500 D, 1000 D
80 x 2 x 0.8	34.0	1470	500 D, 1000 D
100 x 2 x 0.8	37.0	1841	500 D, 1000 D

Technical changes reserved. All figures are therefore without guarantee.

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