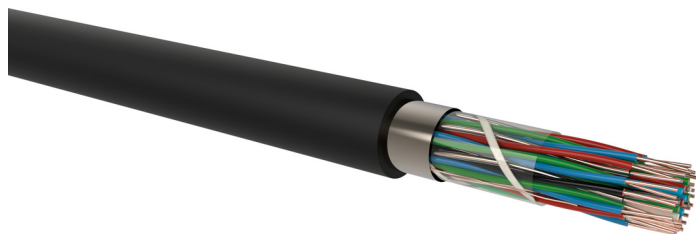


## F-2YA2Y

Telecommunication underground cable, screened

### 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)

### 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  
EN 50556



**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 70 °C  
moved: -20 °C up to 50 °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<sub>ca</sub>

### 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)	10000	10000
Mutual capacitance, max. at 800 Hz	(nF/km)	55	55
Capacitance unbalance K <sub>1</sub> , max. at 800 Hz	(pF/300m)	800	800
Capacitance unbalance K <sub>9</sub> -K <sub>12</sub> , max. at 800 Hz	(pF/300m)	300	300
Capacitance unbalance E <sub>1</sub> -E <sub>2</sub> , 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)
<b>F-2YA2Y</b>			
2 x 2 x 0.6	7.2	47	500 D, 1000 D
6 x 2 x 0.6	9.3	85	500 D, 1000 D
10 x 2 x 0.6	10.5	118	500 D, 1000 D
20 x 2 x 0.6	14.5	207	500 D, 1000 D
30 x 2 x 0.6	15.3	274	500 D, 1000 D
40 x 2 x 0.6	16.6	345	500 D, 1000 D
50 x 2 x 0.6	18.0	417	500 D, 1000 D
60 x 2 x 0.6	19.4	489	500 D, 1000 D

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Number of pairs x nominal diameter (mm)	Outer diameter (mm) appr.	Total weight (kg/km) appr.	Standard lengths/packing (m)
<b>F-2YA2Y</b>			
100 x 2 x 0.6	25.5	792	500 D, 1000 D
2 x 2 x 0.8	7.9	60	500 D, 1000 D
4 x 2 x 0.8	11.0	103	500 D, 1000 D
6 x 2 x 0.8	10.6	121	500 D, 1000 D
10 x 2 x 0.8	12.1	175	500 D, 1000 D
20 x 2 x 0.8	17.2	317	500 D, 1000 D
30 x 2 x 0.8	18.1	432	500 D, 1000 D
40 x 2 x 0.8	19.8	552	500 D, 1000 D
50 x 2 x 0.8	21.5	672	500 D, 1000 D
60 x 2 x 0.8	23.5	797	500 D, 1000 D
100 x 2 x 0.8	31.1	1303	500 D, 1000 D

Technical changes reserved. All figures are therefore without guarantee.

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