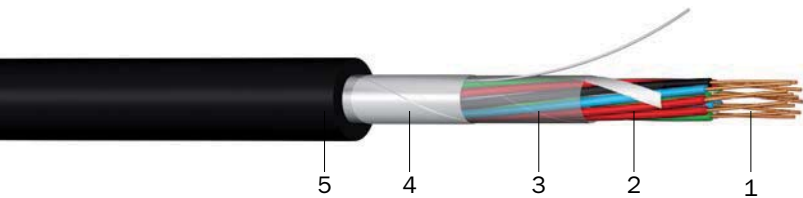


# F-2YA2Y

## 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


**Rated voltage:**

max. 200 V<sub>eff</sub>


**Test voltage:**

core/core: 500 V/50 Hz  
core/screen: 2 kV/50 Hz


**Temperature range:**

laying temperature: min. -20 °C  
operating temperature:  
-in motion: -20 °C to +50 °C  
-fixed: -20 °C to +70 °C


**Bending radius (min.):**

10 x Ø of cable


**Core identification:**

colour code with trace quad in each layer (TA standard)

### ELECTRICAL PARAMETERS

Conductor diameter	(mm)	0.6	0.8
Loop resistance, max.	(Ω/km)	130	73,2
Insulation resistance, min.	(MΩ.km)	10,000	10,000
Mutual capacitance, max. at 800 Hz	(nF/km)	55	55
Capacitance unbalance $K_1$ , max. at 800 Hz	(pF/300 m)	800	800
Capacitance unbalance $K_{9-12}$ , max. at 800 Hz	(pF/300 m)	300	300
Capacitance unbalance $E_1-E_2$ at 800 Hz	(pF/300 m)	800	800

Number of pairs x nominal diameter (mm)	Outer diameter (mm) ca.	Total weight (kg/km) ca.	Standard lengths/packing (m)
<b>F-2YA2Y</b>			
2 x 2 x 0.6	7.7	50	500 D, 1,000 D
6 x 2 x 0.6	10.2	95	500 D, 1,000 D
10 x 2 x 0.6	12.0	125	500 D, 1,000 D
20 x 2 x 0.6	13.2	200	500 D, 1,000 D
30 x 2 x 0.6	15.5	280	500 D, 1,000 D
40 x 2 x 0.6	17.1	355	500 D, 1,000 D
50 x 2 x 0.6	19.0	435	500 D, 1,000 D
60 x 2 x 0.6	21.0	520	500 D, 1,000 D



## F-2YA2Y

Number of pairs x nominal diameter (mm)	Outer diameter (mm) ca.	Total weight (kg/km) ca.	Standard lengths/packing (m)
<b>F-2YA2Y</b>			
80 x 2 x 0.6	23.0	675	500 D, 1,000 D
100 x 2 x 0.6	24.6	800	500 D, 1,000 D
2 x 2 x 0.8	8.5	60	500 D, 1,000 D
6 x 2 x 0.8	11.0	135	500 D, 1,000 D
10 x 2 x 0.8	14.0	190	500 D, 1,000 D
20 x 2 x 0.8	16.5	325	500 D, 1,000 D
30 x 2 x 0.8	18.0	435	500 D, 1,000 D
40 x 2 x 0.8	22.0	570	500 D, 1,000 D
50 x 2 x 0.8	26.0	685	500 D, 1,000 D
60 x 2 x 0.8	28.0	805	500 D, 1,000 D
80 x 2 x 0.8	31.0	1,060	500 D, 1,000 D
100 x 2 x 0.8	34.0	1,320	500 D, 1,000 D

Subject to technical changes.