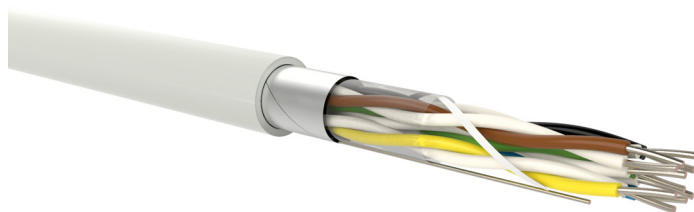


## F-VYAY

PVC/PVC Installation cable for telecommunication, screened

### DESIGN



- 1 | Tinned copper conductor, solid
- 2 | Core insulation (PVC), cores pair stranded, pairs stranded in layers
- 3 | Taping (plastic foil)
- 4 | Screen (plastic laminated aluminium tape with drain wire)
- 5 | Sheath (PVC grey RAL 7035)

### APPLICATION

Switching cable for use in telecommunication and related equipment. Suitable for fixed installation on and under plaster, in dry and damp rooms.

### TECHNICAL DATA



**Standard:**  
ÖVE-K 35



**Operating voltage:**  
max. 300 V



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



**Temperature range:**  
laying temperature: min. -5 °C  
fixed: -40 °C up to 70 °C  
moved: -5 °C up to 50 °C



**Bending radius (min.):**  
7.5 x Ø of cable



**Core identification:**  
coloured according to ÖVE-K 35



**Fire properties:**  
EN 50265-2-1: flame retardant  
CPR classification: E<sub>ca</sub>

### ELECTRICAL PARAMETERS

Conductor diameter	(mm)	0.5
Loop resistance, max.	(Ω/km)	195.6
Insulation resistance, min. at 20 °C	(MΩ.km)	500
Mutual capacitance, max. at 800 Hz	(nF/km)	100
Capacitance unbalance K <sub>9</sub> (pairs), max.at 800 Hz (80% of values)	(pF/100m)	100
Capacitance unbalance K <sub>9</sub> (pairs), max.at 800 Hz (100% of values)	(pF/100m)	150
Capacitance unbalance K <sub>1</sub> (quad), max. at 800 Hz	(pF/100m)	500

Number of pairs x nominal diameter (mm)	Outer diameter (mm) appr.	Total weight (kg/km) appr.	Standard lengths/packing (m)
<b>F-VYAY</b>			
2 x 2 x 0.5*)	5.0	36	100 R, 500 Sp, 1000 Sp
2 x 2 x 0.5	4.8	44	100 R, 500 Sp, 1000 Sp
3 x 2 x 0.5	6.0	36	100 R, 500 Sp, 1000 Sp
5 x 2 x 0.5	6.8	58	100 R, 500 Sp, 1000 Sp
6 x 2 x 0.5	7.5	69	100 R, 500 Sp, 1000 Sp
10 x 2 x 0.5	8.1	95	100 R, 500 Sp, 1000 Sp
12 x 2 x 0.5	8.5	99	100 R, 500 Sp, 1000 Sp
15 x 2 x 0.5	9.5	113	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-VYAY</b>			
16 x 2 x 0.5	10.0	119	500 D, 1000 D
20 x 2 x 0.5	10.1	159	500 D, 1000 D
25 x 2 x 0.5	11.0	174	500 D, 1000 D
30 x 2 x 0.5	12.5	222	500 D, 1000 D
40 x 2 x 0.5	14.5	280	500 D, 1000 D
50 x 2 x 0.5	16.7	358	500 D, 1000 D
100 x 2 x 0.5	23.5	617	500 D, 1000 D

Note: \*) Core stranding in star quad. Technical changes reserved. All figures are therefore without guarantee.

29.8.2022, 12:02