



FS17 450/750 V

Cca - s3, d1, a3

According to European Construction Products Regulation CPR (EU) n.305/11

Reaction to fire REGULATION 305/2011/EU and standard EN 50575

Cables suitable for power supply in buildings and other civil engineering works with the aim of limiting the production and spread of fire and smoke. Compliant with the Construction Products Regulation (CPR)

- **Standard: EN 50575:2014+A1:2016**
- **Class: Cca-s3, d1, a3**
- **Classification (IEC UNEL 35016): EN 13501-6**
- **Heat and smoke emission during flame development: EN 50399**
- **Vertical flame spread: EN 60332-1-2**
- **Corrosive and halogenated gases: EN 60754-2**

Reference standards

CEI UNEL 35716
CEI EN 60332-1-2
2014/95/UE
2014/35/UE
2011/65/UE

Cable description

Indoor power cables and cabling, single core flexible PVC insulated cables of S17 quality, fire retardant, low corrosive gas emission and halogen free.

Conductor

Annealed red copper with flexible round cord CLASS 5

Core isolation

Polyvinyl chloride (PVC) quality S17

Colours

Light blue, white, yellow/green, grey, brown, black, red, orange, pink, purple, dark blue

Labeling

Stamping on insulation every 1 m

Technical specifications

Resistant to mechanical stress, fire and flame retardant, very low emission of halogens, fumes, toxic and corrosive gases. Good behaviour at low temperatures, good flexibility, smoothness and excellent peelability. Good abrasion resistance

Nominal voltage: Uo/U: 450/750 V

Maximum operating temperature: 70° C

Minimum operating temperature: -10° C

Maximum short circuit temperature: 160° C

Installation conditions

Minimum installation temperature: 5°C

Recommended minimum bending radius: 4 times the cable diameter

Maximum recommended tensile stress: 50 N/mm² of section

Imballo

Packaging

- Hanks 100 metres
- Wooden reel
- Cardboard/plastic reels

Applications

Single-core cables suitable for installation in exposed or concealed ducts, including in fire hazard areas, in similar closed systems and in any case only inside buildings.

Also used for fixed installation of switching and control equipment and inside luminaires. Not suitable for outdoor installation.

Nominal Section N° x mmq	Indicative conductor diameter mm	Average insulation thickness mm	Maximum external diameter mm	Approximate weight Kg./Km.	Electrical resistance at 20° C. Maximum Ω/Km
1 X 1	1,3	0,7	3,2	14	19,5
1 X 1,5	1,5	0,7	3,5	19	13,3
1 X 2,5	1,9	0,8	4,2	30	7,98
1 X 4	2,5	0,8	4,8	45	4,95
1 X 6	3	0,8	6,3	63	3,3
1 X 10	3,9	1	7,6	100	1,91
1 X 16	5	1	8,8	159	1,21
1 X 25	6,2	1,2	11	255	0,78
1 X 35	7,4	1,2	12,5	345	0,554
1 X 50	8,9	1,4	14,5	490	0,386
1 X 70	10,5	1,4	17	680	0,272
1 X 95	12,2	1,6	19	895	0,206
1 X 120	13,8	1,6	21	1200	0,161
1 X 150	15,4	1,8	23,5	1400	0,129
1 X 185	16,9	2	26	1800	0,106
1 X 240	19,5	2,2	29,5	2400	0,0801