

FG17 450/750V

CPR Cca-s1b,d1,a1

Model Product: P90 - 20251009



Class 5 flexible copper conductor.
HEPR Insulation in G17 quality

STANDARDS

CEI 20-38 CEI UNEL 35310
EN 50575:2014 + EN 50575/A1:2016(EN 50399/EN 60332-1-2/EN 60754-2/EN 61034-2)

Accordingly to the standards BT 2014/35/UE- 2011/65/EU (RoHS 3)

COMMON FEATURES

For electrical power system in constructions and other civil engineering buildings, in order to limit fire and smoke production and spread, in accordance with the CPR. This cable is particularly suited in high fire risk places containing a great number of people (like offices, data processing centres, schools, hotels, supermarket, undergrounds, hospitals, cinemas, theaters, discos). Suitable for fixed lay, in pipe, cable-carrier channels, inner wiring of electric switchboards, inside interruption and control equipments for voltage until 1000V in c.a. and 750V d.c. to the ground

EMPLOYMENT

Minimum bending radius per D cable diameter (in mm):

Fixed lay : D<12mm = 3D D<20mm = 4D

Free Move: D<12mm = 5D D<20mm = 6D

Maximum pulling stress: 50 N/mm²

PACKING

100mt. rings in thermoplastic film or drums to agree.

CABLES FOR INDOORS AND HALOGEN FREE WIRINGS,
LSZH

Nominal voltage U0: 450 V

Nominal voltage U: 750 V

Test voltage: 3000 V

Maximum voltage Um: 1000V Installazioni Fisse / for fixed and protected installation

Maximum operating temperature: 90°C

Maximum short circuit temperature: +250°C

Minimum installation and laying temperature: -15°C

Min. operating temperature (without mechanical shocks): -30°C

CORE COLOURS

Single core: Black, brown, light blue, grey, red, white, yellow/green, orange, pink, dark blue, violet

INK MARKING

GENERAL CAVI -Cca-s1b,d1,a1 - IEMMEQU EFP FG17 450/750V - form. x sect. - inner work order - year - progressive length

FG17 450/750V

CPR Cca-s1b,d1,a1

Model Product: P90 - 20251009



Cores number (N°)	Cross section (mm²)	Approx conductor diameter (mm)	Insulation medium thickness (mm)	Max external diameter (mm)	Approx cable weight (kg/km)	Electric resistance at 20°C (Ohm/km)	Current carrying capacities (A)
Single core							
1x	1.5	1.5	0.7	3.4	19	13.3	20
1x	2.5	2.0	0.8	4.1	30	7.98	28
1x	4	2.5	0.8	4.8	45	4.95	37
1x	6	3.0	0.8	5.3	62	3.3	48
1x	10	3.9	1	6.8	112	1.91	66
1x	16	5.0	1	8.7	166	1.21	88
1x	25	6.4	1.2	10.2	252	0.78	117
1x	35	7.7	1.2	11.7	340	0.554	144
1x	50	9.2	1.4	13.9	483	0.386	175
1x	70	11.0	1.4	16.0	672	0.272	222
1x	95	12.5	1.6	18.2	889	0.206	269
1x	120	14.2	1.6	20.2	1108	0.161	312
1x	150	15.8	1.8	22.5	1390	0.129	355
1x	185	17.5	2	24.9	1682	0.106	417
1x	240	20.1	2.2	28.4	2196	0.0801	490

Current carrying capacities are calculated relatively to piping with 3 loaded conductors.