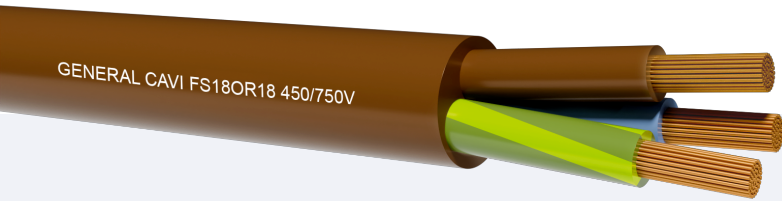


FS18OR18 450/750V

(CPR Cca-s3,d1,a3)

Model Product: P48-P49 - 20220914

general
CAVI s.p.a.



Class 5 flexible copper conductor.
PVC insulation in S18 quality
Not fibrous and not hygroscopic filler
Sheath of PVC R18 type.

STANDARDS

CEI UNEL 35720 CEI 50525-1
EN 50575:2014+A1:2016(EN 50399/EN 60332-1-2/EN 60754-2)

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

COMMON FEATURES

Suitable for electrical power supply in buildings and other civil engineering works complying with the Constructor Products Regulation (CPR), with the aim of limiting the spread of the fire according to the expected class. Cable for transporting energy and transmitting signals in internal environments temporary installation also outdoors. For installation in free air in pipes or in ducts and in metal structures (Variant CEI 20-40)

EMPLOYMENT

Minimum bending radius per D cable diameter (in mm):
Fixed lay: $D < 12 = 3D$ $D < 20 = 4D$
Free move: $D < 12 = 5D$ $D < 20 = 6D$
Repeted wiring: $D < 12 = 7D$ $D < 20 = 8D$
Turned off on pulley: $D < 12 = 10D$ $D < 20 = 10D$
Maximum pulling stress: 15 N/mm²

PACKING

100m rings in thermoplastic film or drums to agree.

FLEXIBLE CABLES insulated with S18 quality PVC, under R18 quality PVC sheath, with special fire reaction characteristics and compliant with Construction Products Regulation (CPR)

Nominal voltage U0: 450 V

Nominal voltage U: 500 V

Test voltage: 750 V

Maximum operating temperature: + 70°C

Maximum short circuit temperature: + 160°C

Minimum installation and laying temperature: 0°C

Min. operating temperature (without mechanical shocks): -15°C

CORE COLOURS

Two cores: blue, brown; black with numbers

Three cores: Brown - Black - Gray (o Y/G, Blue and Brown)(black with numbers)

Four cores: blue-brown-black-gray (or Y/G instead blue)(black with numbers)

Five cores: Y/G-blue-brown-black-gray (black no Y/G)(black with numbers)

SHEATH COLOUR

Marrone

INK MARKING

GENERAL CAVI - FR18OR18 450/750V -Cca-s3,d1,a3- IEMMEQU EFP - year
- form. x sect. - inner work order - progressive lenght

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Cores number	Cross section	Approx conductor diameter	Insulation medium thickness	Maximum external diameter	Approx cable weight	Electric resistance at 20°C	Insulation resistance at 70°C	Current carrying capacities	
								30° In pipe	30°C in air
(N°)	(mm²)	(mm)	(mm)	(mm)	(kg/km)	(Ohm/km)	(Mohm/km)	(A)	(A)
Two cores									
2x	1.5	1.5	0.4	8.0	72	13.3	0.011	17	22
2x	2.5	2	0.5	9.5	99	7.98	0.011	23	30
Three cores									
3G	1.5	1.5	0.4	8.5	87	13.3	0.011	17	22
3G	2.5	2	0.5	10.4	125	7.98	0.011	23	30
Four cores									
4G	1.5	1.5	0.4	9.5	106	13.3	0.011	15	18.5
4G	2.5	2	0.5	11.3	154	7.98	0.011	20	25
Five cores									
5G	1.5	1.5	0.4	10.2	135	13.3	0.011	15	18.5
5G	2.5	2	0.5	12.5	196	7.98	0.011	20	25