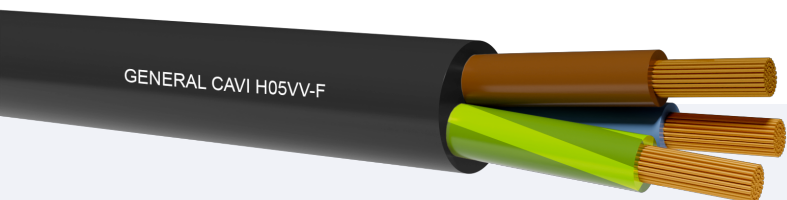


H05VV-F

CPR Eca

Model Product: 203-207 - 20210331

general
CAVI s.p.a.

Class 5 flexible copper conductor.
PVC Insulation in T12 quality.
PVC sheath in TM2 quality.

STANDARDS

CEI EN 50525-2-11 CEI 20-20/5 (GENELEC HD 21.5 S3) BS
6500:2000 NF C 32-201-5 VDE 0281-5
EN 50575:2014 + EN 50575/A1:2016 IEC 60332-1-2

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

COMMON FEATURES

This cable is suitable for house rooms, kitchens, offices, subjected at medium mechanical stresses; for supply of household appliances even damp, like:

- washing machine
- dish-washer
- refrigerating

Cable suitable for heating and cooking appliances, but there must be no contacts with warm parts. Not suitable for external laying, industrial and agricultural environments and for not-portable household utensils. 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.

EMPLOYMENT

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

Fixed lay: $D < 8 = 3D$ $D < 12 = 3D$ $D > 12 = 4D$

Free move : $D < 8 = 5D$ $D < 12 = 5D$ $D > 12 = 6D$

Maximum pulling stress: 15 N/mm²

PACKING

100m rings in thermoplastic film or drums to agree.

MOBILE SERVICE CABLE FOR MEDIUM MECHANICAL STRESSES

Nominal voltage U0: 300 V

Nominal voltage U: 500 V

Test voltage: 2000 V

Maximum operating temperature: +60°C

Maximum short circuit temperature: +150°C

Minimum installation and laying temperature: +5°C

Min. operating temperature (without mechanical shocks): -10°C

CORE COLOURS

Two cores: blue-brown

Three cores: brown-black-gray (or blue-brown-Y/G)

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

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

SHEATH COLOUR

Black, white, grey.

MARKING ENGRAVING

GENERAL CAVI -Eca- IEMMEQU <HAR> - year

NOTE

In according with HD 308 only for specific installation four cores G/Y blue brown black

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Cores number (N°)	Cross section (mm²)	Approx conductor diameter (mm)	Insulation medium thickness (mm)	Approx external production diameter (mm)	Approx cable weight (kg/km)	Electric resistance at 20°C (Ohm/km)	Current carrying air free 30°C (mobile pose) (A)
Two cores							
2x	0.75	1.1	0.6	7.2	53	26	6
2x	1	1.3	0.6	7.3	61	19.5	10
2x	1.5	1.6	0.7	7.83	81	13.3	16
2x	2.5	2	0.8	9.5	125	7.98	20
2x	4	2.5	0.8	10.8	173	4.95	25
2x	6*	3.4	0.9	12.3	227	3.3	35
Three cores							
3G	0.75	1.1	0.6	7.0	63	26	6
3G	1	1.3	0.6	7.6	73	19.5	10
3G	1.5	1.6	0.7	8.55	100	13.3	16
3G	2.5	2	0.8	9.58	157	7.98	20
3G	4	2.6	0.8	11.66	216	4.95	25
3G	6*	3.4	0.9	12.88	298	3.3	35
Four cores							
4G	0.75	1.1	0.6	8.3	76	26	6
4G	1	1.3	0.6	9.0	91	19.5	10
4G	1.5	1.6	0.7	9.65	127	13.3	16
4G	2.5	2	0.8	11.58	191	7.98	20
4G	4	2.6	0.8	12.99	265	4.95	25
4G	6*	3.4	0.9	14.44	305	3.3	35
Five cores							
5G	0.75	3.4	0.6	9.3	96	26	6
5G	1	1.3	0.6	9.8	110	19.5	10
5G	1.5	1.6	0.7	10.75	160	13.3	16
5G	2.5	2	0.8	12.78	238	7.98	20
5G	4	2.6	0.8	14.89	340	4.95	25
5G	6*	3.4	0.9	16.12	470	3.3	35

Current carrying capacities for four-cores cables are calculated relatively to piping with 3 loaded conductors. The sections marked with (*)05VV-F not subject to the IMQ HAR mark, but comply with EU Regulation 305/11 (CPR)