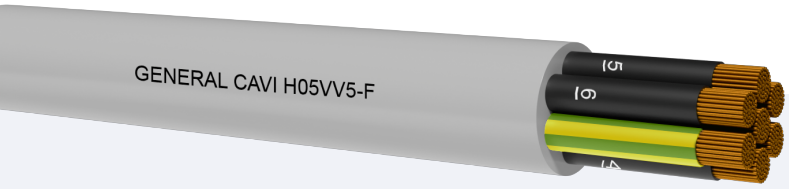
HARMONIZED

H05VV5-F

Model Product: 254-255 - 20160412



Class 5 flexible copper conductor.
PVC Insulation in TI2 quality.
PVC sheath in TM5 quality.

STANDARDS

CEI EN 50525-2-51 BS EN 50525-2-51 NF EN 50525-2-51
VDE 0285-525-2-51 :2012-01
CEI EN 60332-1-2(CEI 20-35/1-2) BS EN 60332-1-2 NF EN 60332-1-2 DIN EN 60332-1-2 (IEC 60227-5)

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

CABLE WITH OIL RESISTANT PVC SHEATH

Nominal voltage U0: 300 V

Nominal voltage U: 500 V

Test voltage: 2000 V

Maximun operating temperature: +60°C

Maximun short circuit temperature: +150°C

Minimum installation and laying temperature: +5°C

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

COMMON FEATURES

Interconnection between sides of machinery in construction included the tool machines . The cable can be moved once installed, particularly for the repositioning, the maintenance, the regulation, and the control of the machines, the cable is on condition that not sped up mechanically during the movement. The cables are resistant to mineral oils of general use but they are not planned for the continuous immersion in the oil. They're destined to the internal use of the buildings. The contamination by means of hydrocarbons, acids and alkali must be avoided. The cables must be protect against the mechanical damages. When the movement of the cables is not required during the use, we advise to install them in culverts, channels etc. When the contact with special oils is probable, please contact us at our technical offices.A system exercice voltage can always overflow the 10% of its standard voltage.

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: 50 N/mm2

PACKING

100m rings in thermoplastic film or drums to agree.

CORE COLOURS

Two cores: black with numbers

Three cores: black with numbers and Y/G

Four cores: black with numbers and Y/G

Five cores: black with numbers and Y/G

Multicores: black with numbers and Y/G

SHEATH COLOUR

Gray (on request Black and White)

INK MARKING

GENERAL CAVI - IEMMEQU <HAR> - H05VV5-F - year

H05VV5-F

Model Product: 254-255 - 20160412

Cores number	Cross section	Approx conductor diameter	Iinsulation thickness	External diameter		Electric resistance at 20°C	Approx cable weight	Current carrying capacities 30°C
				Minimum	maximum			
(N°)	(mm²)	(mm)	(mm)	(mm)	(mm)	(Ohm/km)	(kg/km)	(A)
Two cores								
2x	0.5	0.9	0.6	5.2	6.6	39.0	46	7.6
2x	0.75	1.1	0.6	5.7	7.2	26.0	55	12.0
2x	1	1.3	0.6	5.9	7.5	19.5	65	15.2
2x	1.5	1.5	0.7	6.8	8.6	13.3	84	19.2
2x	2.5	2.0	0.8	8.2	10.3	7.98	130	25.6
Three cores								
3G	0.5	0.9	0.6	5.5	7.0	39.0	52	7.6
3G	0.75	1.1	0.6	6.0	7.6	26.0	63	12.0
3G	1	1.3	0.6	6.3	8.0	19.5	75	15.2
3G	1.5	1.5	0.7	7.4	9.4	13.3	103	19.2
3G	2.5	2.0	0.8	9.2	11.4	7.98	161	25.6
Four cores								
4G	0.5	0.9	0.6	6.2	7.9	39.0	66	6.8
4G	0.75	1.1	0.6	6.6	8.3	26.0	78	10.5
4G	1	1.3	0.6	6.9	8.7	19.5	91	13.3
4G	1.5	1.5	0.7	8.2	10.2	13.3	127	16.8
4G	2.5	2.0	0.8	10.1	12.5	7.98	193	22.4
Five cores								
5G	0.5	0.9	0.6	6.8	8.6	39.0	80	6.7
5G	0.75	1.1	0.6	7.4	9.3	26.0	98	10.5
5G	1	1.3	0.6	7.8	9.8	19.5	114	13.3
5G	1.5	1.5	0.7	9.1	11.4	13.3	159	16.8
5G	2.5	2.0	0.8	11.2	13.9	7.98	240	22.4
Multicores								
7G	0.5	0.9	0.6	8.3	10.4	39.0	114	5.4
7G	0.75	1.1	0.6	9.0	11.3	26.0	144	9.0
7G	1	1.3	0.6	9.5	11.8	19.5	165	10.8
7G	1.5	1.5	0.7	11.3	14.1	13.3	233	13.7
7G	2.5	2.0	0.8	13.6	16.8	7.98	341	18.2
12G	0.5	0.9	0.6	10.4	12.9	39.0	170	4.3
12G	0.75	1.1	0.6	11.0	13.7	26.0	205	6.8
12G	1	1.3	0.6	11.8	14.6	19.5	245	8.6
12G	1.5	1.5	0.7	13.8	17.0	13.3	340	10.8
12G	2.5	2.0	0.8	16.8	20.6	7.98	520	14.4
18G	0.5	0.9	0.6	12.3	15.3	39.0	245	3.7

H05VV5-F

Model Product: 254-255 - 20160412

Cores number	Cross section	Approx conductor diameter	Iinsulation thickness	External diameter		Electric resistance at 20°C	Approx cable weight	Current carrying capacities 30°C
				Minimum	maximum			
(N°)	(mm²)	(mm)	(mm)	(mm)	(mm)	(Ohm/km)	(kg/km)	(A)
18G	0.75	1.1	0.6	13.2	16.4	26.0	310	5.9
18G	1	1.3	0.6	14.0	17.2	19.5	370	7.4
18G	1.5	1.5	0.7	16.5	20.3	13.3	520	9.4
18G	2.5	2.0	0.8	20.2	24.8	7.98	785	12.5
27G	0.5	0.9	0.6	15.1	18.6	39.0	365	3.2
27G	0.75	1.1	0.6	16.2	19.9	26.0	450	5.1
27G	1	1.3	0.6	17.0	21.0	19.5	533	6.5
27G	1.5	1.5	0.7	20.3	24.9	13.3	744	8.2
27G	2.5	2.0	0.8	24.7	30.2	7.98	1206	10.9