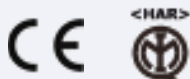
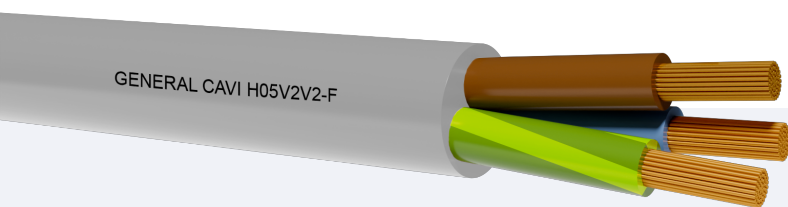


# H05V2V2-F

Model Product: 247-249 - 20160412

*general*  
**CAVI** s.p.a.



Class 5 flexible copper conductor.  
Special 90°C thermoplastic compounds insulation.  
Special 90°C thermoplastic compounds sheath.

## STANDARDS

CEI 20-20/12 (CENELEC HD 21.12 S1) BS 6500:2000 NF C 32-201-12 VDE 0281-12  
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

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

## COMMON FEATURES

Suitable for domestic premises, kitchen, office for light service or light portable apparatuses. In atmospheres to high temperatures. Inside equipments. With their special insulation and sheath compounds this cable is adapt for apparatus in kitchen and heating and for use in zones with high temperatures (like lighting system apparatuses) without contact with warm parts and radiations. Unsuitable for outdoor use, in industrial and agricultural buildings or non-domestic portable tools. The maximum conductor temperature in normal use: 90°C. While high temperature use, skin contact must be avoided.

## EMPLOYMENT

Minimum bending radius per D cable diameter (in mm): 6D  
Maximum pulling stress: 15 N/mm<sup>2</sup>

## PACKING

100mt. rings in thermoplastic film. Drums to agree.

FLEXIBLE CABLES PVC INSULATED HEAT RESISTANT UP TO 90°C

Nominal voltage U0: 300 V

Nominal voltage U: 500 V

Test voltage: 2000 V

Maximum operating temperature: +90°C

Maximum short circuit temperature: +150°C

Minimum installation and laying temperature: +5°C

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

Minimum installation and laying temperature: +5°C

## CORE COLOURS

Two cores: blue-brown

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

Four cores: blu-marrone-nero-grigio (o G/V al posto del blu)

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

## SHEATH COLOUR

Black, white, grey.

## INK MARKING

year GENERAL CAVI - IEMMEQU <HAR> - H05V2V2-F - form x sect.

# H05V2V2-F

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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 capacities
							30°C Mobile Service (A)
Two cores							
2x	0.75	1.1	0.6	7.2	53	26.0	6
2x	1	1.3	0.6	7.3	61	19.5	12.5
2x	1.5	1.6	0.7	7.83	81	13.3	17
2x	2.5	2	0.8	9.5	125	7.98	22.5
2x	4	2.5	0.8	12.1	173	4.95	30
Three cores							
3G	0.75	1.1	0.6	7.6	63	26.0	6
3G	1	1.3	0.6	7.6	73	19.5	12.5
3G	1.5	1.6	0.7	8.55	100	13.3	17
3G	2.5	2	0.8	9.58	157	7.98	22.5
3G	4	2.6	0.8	11.66	216	4.95	30
Four cores							
4G	0.75	1.1	0.6	8.3	76	26.0	40
4G	1	1.3	0.6	9.0	91	19.5	12.5
4G	1.5	1.6	0.7	9.65	127	13.3	17
4G	2.5	2	0.8	11.58	191	7.98	22.5
4G	4	2.6	0.8	12.99	265	4.95	30
Five cores							
5G	0.75	3.4	0.6	9.3	96	26.0	40
5G	1	1.3	0.6	9.8	110	19.5	12.5
5G	1.5	1.6	0.7	10.75	160	13.3	17
5G	2.5	2	0.8	12.78	238	7.98	22.5
5G	4	2.6	0.8	14.89	340	4.95	30

The values of permissible current are applied to the most cases. Further information must be searched for unusual situations, like: High ambient temperatures like over 30°C for large cable length or low ventilation.