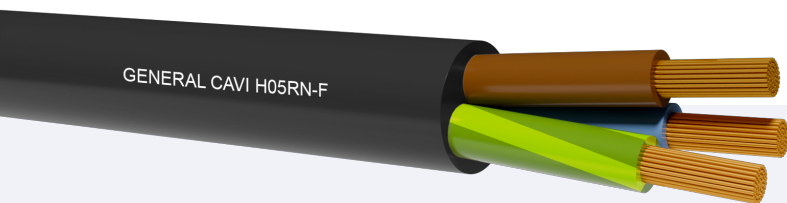


**H05RN-F**

CPR Eca

Model Product: 259 - 20201118



Class 5 flexible copper conductor.  
Elastomeric mixture Insulation in EI4 quality.  
Polychloroprene sheath, EM2.

**STANDARDS**

CEI EN 50525-2-21 CEI 20-107/2-21 CEI 20-19/4 (CENELEC HD 22.4 S4) BS 6500:2000 NF C 32-102-4 VDE 0282-4 EN 50575:2014 + EN 50575/A1:2016 EN 60811 403/504/505/506 EN 50396 /EN(IEC) 60332-1-2

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

**COMMON FEATURES**

"For general use in domestic premises, kitchens, offices and for supplying appliances where the cables are subjected to low mechanical stresses (eg. vacuum cleaners, cooking appliances, soldering irons, toaster). Also suitable for permanent use outdoors for ordinary duty applications." Supply of electricity and communications in buildings and other civil engineering works with the objective of limiting the generation and spread of fire.

**EMPLOYMENT**

Minimum bending radius per D cable diameter (in mm):  
At the entrance to a portable device or a mobile equipment  
- without cable stressing - 4D  
- with mechanical stress - 6D

Maximum pulling stress: 15 N/mm<sup>2</sup> of the cross-section of the copper, for mobile use, 50 N/mm<sup>2</sup> for static use

**PACKING**

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

**CABLE WITH MEDIUM POLICLOROPRENE SHEATH**

Nominal voltage U0: 300 V

Nominal voltage U: 500 V

Test voltage: 2000 V

Maximum operating temperature: +60°C

Maximum short circuit temperature: +200°C

Minimum installation and laying temperature: -25°C

Min. operating temperature (without mechanical shocks): -40°C

**CORE COLOURS**

Two cores: blue-brown

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

Four cores: Brown - Black - Gray-G/V (o Blue, no G/V))

**SHEATH COLOUR**

Black

**INK MARKING**

GENERAL CAVI - Eca - IEMMEQU <HAR> - H05RN-F - year

**NOTE**

A system exercise voltage can always overflow the 10% of its standard voltage. MINIMUM ORDER QUANTITY  
In according with HD 308 only for specific installation four cores G/Y- blue-brown-black.  
Special Features in addition to the features of the H05RN\_F:  
UV Resistant  
OZONE RESISTANT CEI EN 60811-403 (Metodo A) and CEI EN 50396 (Metodo B).

# H05RN-F

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Conductor Number	Cross section	Maximum conductor diameter	Insulation thickness	External diameter		Electric resistance at 20°C	Approx cable weight	Current carrying capacities in air 30°C
				Minimum	maximum			
(N°)	(mm²)	(mm)	(mm)	(mm)	(mm)	(Ohm/km)	(kg/km)	(A)
Two cores								
2x	0.75	0.95	0.6	5.7	7.4	26	44	6
2x	1	1.30	0.6	6.1	8.0	19.5	55	10
Three cores								
3G	0.75	0.95	0.6	6.2	8.1	26	60	6
3G	1	1.30	0.6	6.5	8.5	19.5	72	10
Four cores								
4G	0.75	0.95	0.6	6.8	8.8	26	82	6
4G	1	1.30	0.6	7.1	9.3	19.5	87	10