

TRIFLEX H05RN-F

Structure and electrical, physical, EN 50525-2-21
mechanical requirements:

Low Voltage Directive: 2014/35/EU

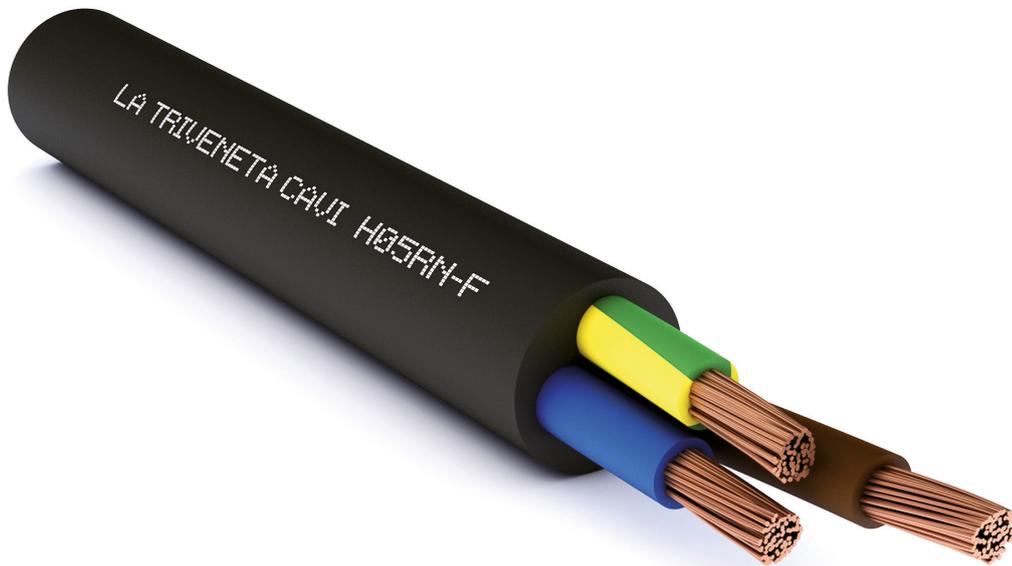
RoHS Directive: 2011/65/EU

REACTION TO FIRE



CPR COMPLIANT
REGULATION 305/2011/EU

| | |
|--------------------|------------------------------------|
| Standard: | EN 50575:2014+A1:2016 |
| Class: | E _{ca} |
| Classification: | EN 13501-6 |
| Flame propagation: | EN 60332-1-2 |
| Notified Body: | 2479 - L.S. FIRE TESTING INSTITUTE |
| CE | 2017 |



Description

- Conductor: class 5, flexible, plain copper wire
- Insulation: rubber compound, EI4 quality
- Sheath: polychloroprene or equivalent synthetic elastomer, EM2 quality
- Colour: black

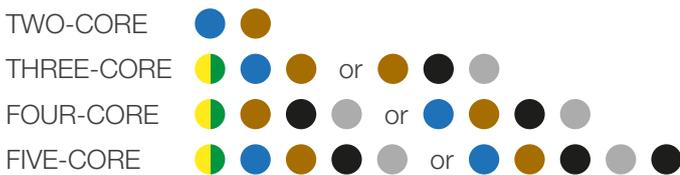
Functional characteristics

- Rated voltage U_0/U : 300/500 V
- Max. operating temperature: 60°C
- Min. operating temperature: -40°C (without mechanical shocks)
- Max. short circuit temperature: 200°C

Installation conditions

- Minimum installation temperature: -25°C
- Recommended minimum bending radius: 6 times of the cable diameter for mobile use, 4 times for static use
- Recommended maximum tensile stress: 15 N/mm² of the cross-section of the copper for mobile use, 50 N/mm² for static use

Colours of the cores



Marking

▲ LTC IEMMEQU ◀HAR▶ TRIFLEX H05RN-F [form.] [traceability] [year] Made in Italy [metric]

H05RN-F

| Formation | Approx. conductor Ø | Average insulation thickness | Average sheath thickness | Max. external Ø | Max. electrical resistance at 20°C | Approx. cable weight | Current rating in air at 30°C |
|----------------------|---------------------|------------------------------|--------------------------|-----------------|------------------------------------|----------------------|-------------------------------|
| n° x mm ² | mm | mm | mm | mm | Ω/km | kg/km | A |
| 2 x 0,75 | 1,1 | 0,6 | 0,8 | 7,4 | 26,0 | 60 | 6 |
| 2 x 1 | 1,3 | 0,6 | 0,9 | 8,0 | 19,5 | 73 | 10 |
| 3 x 0,75 | 1,1 | 0,6 | 0,9 | 8,1 | 26,0 | 79 | 6 |
| 3 x 1 | 1,3 | 0,6 | 0,9 | 8,5 | 19,5 | 87 | 10 |
| 4 x 0,75 | 1,1 | 0,6 | 0,9 | 8,8 | 26,0 | 89 | 6 |
| 5 x 0,75 | 1,3 | 0,6 | 1,0 | 9,9 | 26,0 | 110 | 10 |

N.B. The values of current rating indicated apply in most cases

Use and installation method

[Reference Guide EN 50565](#)

For mobile use. Use in domestic premises, kitchens and offices, for ordinary duty applications and supplying appliances where cables are subject to low mechanical stresses (ex. vacuum cleaners, cooking appliances, soldering irons, toasters, domestic portable tools, hand held inspection lamps). Use outdoor is allowed.

[Reference Construction Products Regulation 305/2011 EU and Standard EN 50575:](#)

The cable is suitable for the supply of electricity in buildings and other civil engineering works.