

## H05V2-U

Model Product: 459 - 20160229




Rigid class 1 red copper conductor.  
PVC insulation TI3 quality.

## STANDARDS

CEI 20-20/7 (GENELEC HD 21.7 S2) BS 6004:2000 NF C 32-201-7 VDE 0281-7  
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 60227-3)

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

## COMMON FEATURES

Fixed protected installation inside appliances and in, or on, lighting fittings. Suitable for installation in surface mounted or embedded conduits, only for signalling and control circuits. Maximum conductor temperature in normal use 90°C. Not to be used in contact with object higher than 85°C. Not suitable for fixed distribution system.

## EMPLOYMENT

Minimum bending radius per D cable diameter (in mm):  
Fixed lay:  $D < 8 = 4D$   
Curve near terminal:  $D < 8 = 2D$   
Maximum pulling stress: 50 N/mm<sup>2</sup>

## PACKING

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

RIGID SINGLE CORE WITHOUT SHEATH CABLES FOR SPECIAL 90°C INDOOR WIRING

Nominal voltage U0: 300 V

Nominal voltage U: 500 V

Test voltage: 2000 V

Maximum operating temperature: +90 °C

Maximum short circuit temperature: +160°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

Single core: Black, light blue, brown, grey, orange, pink, red, turquoise, violet, white, Y/G.

## MARKING ENGRAVING

GENERAL CAVI - IEMMEQU <HAR> - H05V2-U - year

## NOTE

Maximum storage temperature: +40°C

| 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°)             | (mm <sup>2</sup> ) | (mm)                       | (mm)                 | (mm)              | (mm)    | (Ohm/km)                    | (kg/km)             | (A)                                     |
| Single core      |                    |                            |                      |                   |         |                             |                     |   |
| 1x               | 0.5                | 0.80                       | 0.6                  | 1.9               | 2.3     | 36.0                        | 9.0                 | 3                                       |
| 1x               | 0.75               | 1.00                       | 0.6                  | 2.1               | 2.5     | 24.5                        | 12.0                | 6                                       |
| 1x               | 1                  | 1.15                       | 0.6                  | 2.2               | 2.7     | 18.2                        | 14.0                | 10                                      |