

## H07V2-K ECA

PVC cables

Single core non-sheathed cables for internal wiring.



### TECHNICAL DATA

|                              |   |
|------------------------------|---|
| Nominal tension              | 450/750 V   |
| Conditions of employment     | Installation in surface-mounted or embedded conduits, or similar closed systems and where the maximum conductor temperature in normal use of 90 °C. is not exceeded. If installed in distribution systems the maximum continuous operating temperature shall be limited to 70 °C. |
| Type of electrical conductor | Flexible red copper   |
| Type of insulation           | TI3 (EN 50363-3)  |
| Color of the outer sheath    | On demand (one or two colours)  |
| Operating temperature        | +5° C   +90° C  |
| Short circuit temperature    | +160° C on the conductor (max 5 sec.)   |
| Test voltage                 | 2500 V  |
| Cable marking                | ELETTROROBRESCIA IEMMEQU <HAR> H07V2-K  |
| Minimum radius of curvature  | 6 times the diameter of cable.  |

### REFERENCES STANDARDS

|                    |                             |
|--------------------|-----------------------------|
| Main rule          | EN 50525-2-31               |
| Conductor          | EN 60228; IEC 60228         |
| Self-extinguishing | EN 60332-1-2; IEC 60332-1-2 |

## DIMENSIONS

| Nominal section      | Wires max diameter | Conductor diameter | Insulation thickness | Insulation diameter $\pm$ 0,1 | Minimum average external diameter | Medium outer diameter $\pm$ 0,2 | Electrical resistance 20°C | Approximate weight | CU Factor |
|----------------------|--------------------|--------------------|----------------------|-------------------------------|-----------------------------------|---------------------------------|----------------------------|--------------------|-----------|
| (Nxmm <sup>2</sup> ) | (mm)               | (mm)               | (mm)                 | (mm)                          | (mm)                              | (mm)                            | ( $\Omega$ /km)            | (kg/km)            | (kg/km)   |
| 1x1,50               | 0,26               | 1,44               | 0,70                 | N/A                           | N/A                               | 3,0                             | 13,3000                    | 20,00              | 14,4000   |
| 1x2,50               | 0,26               | 1,88               | 0,80                 | N/A                           | N/A                               | 3,6                             | 7,9800                     | 32,00              | 24,0000   |
| 1x4,00               | 0,31               | 2,44               | 0,80                 | N/A                           | N/A                               | 4,1                             | 4,9500                     | 48,00              | 38,4000   |
| 1x6,00               | 0,31               | 2,96               | 0,80                 | N/A                           | N/A                               | 4,7                             | 3,3000                     | 67,00              | 57,6000   |

## CORES IDENTIFICATION

| Cores number | Insulation colour sequence |
|--------------|----------------------------|
| 1            | NA                         |

Refer to the CEI EN 50565 standard series as a guide to the use of cables with nominal voltage not exceeding 450/750 V (U0/U) and to the CEI 20-92 standard as a guide for the handling and storage of wooden reels for cables electrical.

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