

## H03V2V2-F ECA

PVC cables

Light duty heat-resistant PVC sheathed cable for maximum conductor temperature of 90° C.



### Technical data

|                               |   |
|-------------------------------|---|
| Nominal voltage               | 300/300 V   |
| Applications/Usage conditions | Use in domestic premises, kitchens and offices, for light duty applications and light portable appliances; use in high ambient temperatures and internal use in equipment where there is no risk of contact with hot parts. |
| Conductor                     | Flexible red copper   |
| Insulation type               | TI3 (EN 50363-3)  |
| Sheath type                   | TM3 (EN 50363-4-1)  |
| Sheath colour                 | Black, white, grey  |
| Operating temperatures        | +5° C   +90° C  |
| Short circuit temperature     | 150° C on the conductor (max 5 sec.)  |
| Test voltage                  | 2000 V  |
| Cable markings                | ELETTRO BRESCIA IEMMEQU <HAR> H03V2V2-F   |
| Minimum bending radius        | 5 times the max outer diameter in case of mobile laying. 3 times the max outer diameter in case of fixed laying.  |

### Standard references

|                    |                             |
|--------------------|-----------------------------|
| Main standard      | EN 50525-2-11               |
| Conductor          | EN 60228; IEC 60228         |
| Self-Extinguishing | EN 60332-1-2; IEC 60332-1-2 |

### Dimensions

| Cross section<br>(Nxmm <sup>2</sup> ) | Wires max diameter<br>(mm) | Conductor diameter<br>(mm) | Core thickness<br>(mm) | Core diameter<br>± 0,1<br>(mm) | Sheath thickness<br>(mm) | Medium min outer diameter<br>(mm) | Medium max outer diameter<br>(mm) | Electrical resistance at 20° C<br>(Ω/km) | Cable approx. weight<br>(kg/km) | Cu factor<br>(Kg/km) |
|---------------------------------------|----------------------------|----------------------------|------------------------|--------------------------------|--------------------------|-----------------------------------|-----------------------------------|--|---------------------------------|----------------------|
| 2x0,50                                | 0,210                      | 0,87                       | 0,50                   | N/A                            | 0,60                     | 4,6                               | 5,9                               | 39,0000                                  | 39,00                           | 9,60                 |
| 2x0,75                                | 0,210                      | 1,07                       | 0,50                   | N/A                            | 0,60                     | 4,9                               | 6,3                               | 26,0000                                  | 49,00                           | 14,40                |
| 3G0,50                                | 0,210                      | 0,87                       | 0,50                   | N/A                            | 0,60                     | 4,9                               | 6,3                               | 39,0000                                  | 49,00                           | 14,40                |
| 3G0,75                                | 0,210                      | 1,07                       | 0,50                   | N/A                            | 0,60                     | 5,2                               | 6,7                               | 26,0000                                  | 59,00                           | 21,60                |

### Cores identification

| Cores number | Insulation colour sequence |
|--------------|----------------------------|
| 2            | Blue-Brown                 |
| 3            | Yellow/Green-Blue-Brown    |

Please refer to the standard series EN 50565 as guide to use for cables with a rated voltage not exceeding 450/750 V - (U0/U) and CEI 20-92 as guide for the handling and warehousing of wooden drums for electric cables.