

H05V2-K ECA

PVC cables

Flexible single-core PVC insulated electric cables, sheathless, for internal wiring with a maximum continuous temperature of 90° C.



TECHNICAL DATA

| | |
|------------------------------|--|
| Nominal tension | 300/500 V |
| Conditions of employment | Installation inside appliances and in lighting fittings and where the maximum conductor temperature in normal use of 90 °C. is not exceeded. |
| 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 | 2000 V |
| Cable marking | ELETTROROBRESCIA IEMMEQU <HAR> H05V2-K |
| Minimum radius of curvature | 4 times the diameter. |

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 ²) | (mm) | (mm) | (mm) | (mm) | (mm) | (mm) | (Ω /km) | (kg/km) | (kg/km) |
| 1x0,50 | 0,21 | 0,86 | 0,60 | N/A | N/A | 2,2 | 39,0000 | N/A | 4,8000 |
| 1x0,75 | 0,21 | 1,05 | 0,60 | N/A | N/A | 2,4 | 26,0000 | N/A | 7,2000 |
| 1x1,00 | 0,21 | 1,21 | 0,60 | N/A | N/A | 2,5 | 19,5000 | N/A | 9,6000 |

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.

Elettrobrescia S.r.l. - Via Bulloni 36 - 25050 - Camignone di Passirano (Bs) - Tel, +39 030 6850663 Fax +39 030 6850444 email: info@elettrobrescia.it