

Fire-retardant PVC flexible single core cable

CEI 20-20/3
CEI UNEL 35747
CENELEC HD 21.3
Low voltage directive 2006/95/CE
RoHS 2011/65/CE directive

IEMMEQU ◁ HAR ▷



H07V-K

Construction features

Red copper flexible conductor; PVC insulation in TI1 quality

Marking

Embossing on the insulator:
IRCE IEMMEQU ◁ HAR ▷ H07V-K <section><year>

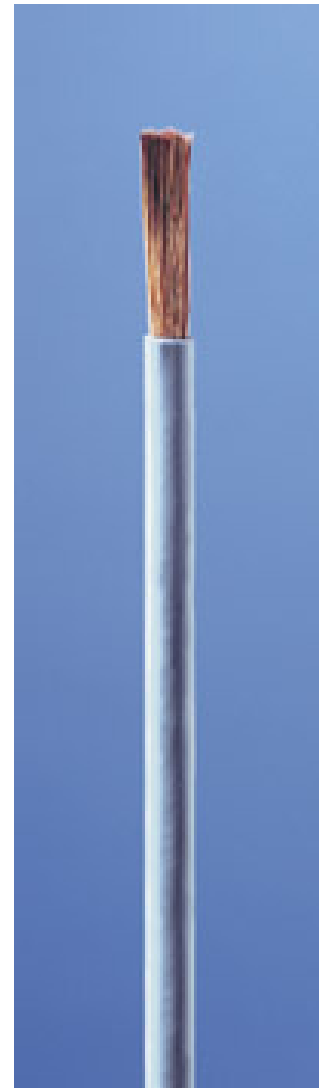
Application

Adatti per posa fissa entro tubazioni o canalette o entro apparecchi di illuminazione o all'interno di apparecchiature di interruzione e comando sino a 1000 V in corrente alternata o 750 V in corrente continua verso terra.

Not suitable for external laying.

Warning

Capacities are calculated on a conductor of 3-4 cables with only 3 active conductors.



Nominal voltage:
 $U_0/U = 450/750V$



Minimum bending radius:
4 x external diameter



Operating temperature:
70° C



Tractive effort in laying:
50 N/mm² of copper section maximum



Short circuit temperature:
160° C



Laying temperature:
5° C minimum

| Number of cores and nominal cross sectional area n° x mm ² | Conductor maximum Diameter mm | Insulator medium thickness mm | Maximum external diameter mm | Cable approximate weight kg / km | Maximum resistance at 20° C Ohm / km | Current capacity at 30° C (A) | |
|--|----------------------------------|----------------------------------|---------------------------------|-------------------------------------|---|-------------------------------|----------------|
| | | | | | | Open conduit | In air or pipe |
| 1 x 1,5 | 0,26 | 0,70 | 3,4 | 19,1 | 13,3 | 17,5 | 15,5 |
| 1 x 2,5 | 0,26 | 0,80 | 4,1 | 30,2 | 7,98 | 24 | 21 |
| 1 x 4,0 | 0,31 | 0,80 | 4,8 | 44,2 | 4,95 | 32 | 28 |
| 1 x 6,0 | 0,31 | 0,80 | 5,3 | 61,9 | 3,30 | 41 | 36 |
| 1 x 10 | 0,41 | 1,00 | 6,8 | 105 | 1,91 | 57 | 50 |
| 1 x 16 | 0,41 | 1,00 | 8,1 | 158 | 1,21 | 76 | 68 |
| 1 x 25 | 0,41 | 1,20 | 10,2 | 245 | 0,780 | 101 | 89 |
| 1 x 35 | 0,41 | 1,20 | 11,7 | 336 | 0,554 | 125 | 111 |
| 1 x 50 | 0,41 | 1,40 | 13,9 | 480 | 0,386 | 151 | 134 |
| 1 x 70 | 0,51 | 1,40 | 16,0 | 697 | 0,272 | 192 | 171 |
| 1 x 95 | 0,51 | 1,60 | 18,2 | 920 | 0,206 | 232 | 207 |
| 1 x 120 | 0,51 | 1,60 | 20,2 | 1140 | 0,161 | 269 | 239 |
| 1 x 150 | 0,51 | 1,80 | 22,5 | 1435 | 0,129 | 309 | 275 |
| 1 x 185 | 0,51 | 2,00 | 24,9 | 1750 | 0,106 | 353 | 314 |
| 1 x 240 | 0,51 | 2,20 | 28,4 | 2280 | 0,0801 | 415 | 369 |