

# H07V-K / 07V-K

PVC single core, finely stranded



**CORPELIMA S.A.C.**  
Importadores y Líderes en Soluciones Eléctricas



## TECHNICAL DATA

PVC single core, H07V-K acc. to DIN VDE 0285-525-2-31 / DIN EN 50525-2-31, IEC 60227-3; 07V-K in alignment with DIN VDE 0285-525-2-31 / DIN EN 50525-2-31, IEC 60227-3

|                        |                                                                         |
|------------------------|-------------------------------------------------------------------------|
| Temperature range      | flexible +5°C to +70°C<br>fixed -30°C to +80°C                          |
| Nominal voltage        | AC U <sub>0</sub> /U 450/750 V                                          |
| Test voltage           | 2500 V                                                                  |
| Minimum bending radius | fixed<br><8 mm: 4x Outer-ø<br>8-12 mm: 5x Outer-ø<br>>12 mm: 6x Outer-ø |

## CABLE STRUCTURE

- Copper wire bare, finely stranded acc. to DIN VDE 0295 Class 5 / IEC 60228 Class 5
- Core insulation: PVC acc. to DIN VDE 0207-363-3 / DIN EN 50363-3 (compound type T11)
- Core identification: see table

## PROPERTIES

- the materials used during manufacturing are cadmium-free, contain no silicone and are free from substances harmful to the wetting properties of lacquers

## TESTS

- flame-retardant acc. to DIN VDE 0482-332-1-2 / DIN EN 60332-1-2 / IEC 60332-1-2

## APPLICATION

Installation in electrical conduits, on or under plaster or similar enclosed systems. Suitable for protected and fixed installation in lighting systems or switching and control devices up to and including 1000 V AC voltage or up to 750 V DC voltage against earth. Not suitable for direct laying in cable ladders and cable trays, except as a potential equalization cable.

## NOTES

- the conductor is metrically (mm<sup>2</sup>) constructed, AWG numbers are approximated, and are for reference only
- Approved core colours: black, green-yellow, blue, brown, red, white, grey, violet, orange, pink

### H07V-K Coil in cardboard box (100m)

| Cross-sec.<br>mm <sup>2</sup> | AWG,<br>approx. | Outer-ø<br>min - max<br>mm | Cu-weight<br>kg/km | black<br>(RAL 9005)<br>Part no. | green-yellow<br>Part no. | blue<br>(RAL 5015)<br>Part no. | brown<br>(RAL 8003)<br>Part no. | red<br>(RAL 3000)<br>Part no. | white<br>(RAL 9003)<br>Part no. | grey<br>(RAL 7001)<br>Part no. | violet<br>(RAL 4005)<br>Part no. | orange<br>(RAL 2003)<br>Part no. |
|-------------------------------|-----------------|----------------------------|--------------------|---------------------------------|--------------------------|--------------------------------|---------------------------------|-------------------------------|---------------------------------|--------------------------------|----------------------------------|----------------------------------|
| 1.5                           | 16              | 2.8 - 3.4                  | 14.4               | <b>29129</b>                    | <b>29130</b>             | <b>29131</b>                   | <b>29132</b>                    | <b>29133</b>                  | <b>29134</b>                    | <b>29135</b>                   | <b>29136</b>                     | <b>29142</b>                     |
| 2.5                           | 14              | 3.4 - 4.1                  | 24.0               | <b>29145</b>                    | <b>29146</b>             | <b>29147</b>                   | <b>29148</b>                    | <b>29149</b>                  | <b>29150</b>                    | <b>29151</b>                   | <b>29152</b>                     | <b>29158</b>                     |
| 4                             | 12              | 3.9 - 4.8                  | 38.0               | <b>29161</b>                    | <b>29162</b>             | <b>29163</b>                   | <b>29164</b>                    | <b>29165</b>                  | <b>29166</b>                    | <b>29167</b>                   | <b>29168</b>                     | <b>29174</b>                     |
| 6                             | 10              | 4.4 - 5.3                  | 58.0               | <b>29177</b>                    | <b>29178</b>             | <b>29179</b>                   | <b>29180</b>                    | <b>29181</b>                  | <b>29182</b>                    | <b>29183</b>                   | <b>29184</b>                     | <b>29190</b>                     |

| Cross-sec.<br>mm <sup>2</sup> | AWG,<br>approx. | Outer-ø<br>min - max<br>mm | Cu-weight<br>kg/km | dark blue<br>(RAL 5010)<br>Part no. | pink<br>(RAL 3015)<br>Part no. | ultram.blue<br>(RAL 5002)<br>Part no. |
|-------------------------------|-----------------|----------------------------|--------------------|-------------------------------------|--------------------------------|---------------------------------------|
| 1.5                           | 16              | 2.8 - 3.4                  | 14.4               | <b>29141</b>                        | <b>29138</b>                   | <b>26395</b>                          |
| 2.5                           | 14              | 3.4 - 4.1                  | 24.0               | <b>29157</b>                        | <b>29154</b>                   | <b>26396</b>                          |
| 4                             | 12              | 3.9 - 4.8                  | 38.0               | <b>29173</b>                        | <b>29170</b>                   | <b>26397</b>                          |
| 6                             | 10              | 4.4 - 5.3                  | 58.0               | <b>29189</b>                        | <b>29186</b>                   | <b>26398</b>                          |

**HELUKABEL®**

# H07V-K / 07V-K

## PVC single core, finely stranded



| Cross-sec.<br>mm <sup>2</sup> | AWG,<br>approx. | Outer-ø<br>min - max<br>mm | Cu-weight<br>kg/km | yellow-red<br>Part no. | grey-black<br>Part no. | grey-white<br>Part no. | green-brown<br>Part no. | green-white<br>Part no. | pink-white<br>Part no. | red-blue<br>Part no. | red-yellow<br>Part no. | red-black<br>Part no. |
|-------------------------------|-----------------|----------------------------|--------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|------------------------|----------------------|------------------------|-----------------------|
| 1.5                           | 16              | 2.8 - 3.4                  | 14.4               | <b>11020502</b>        | -                      | -                      | <b>11020496</b>         | <b>11020251</b>         | <b>11020282</b>        | <b>11020564</b>      | <b>11020501</b>        | <b>11020947</b>       |
| 2.5                           | 14              | 3.4 - 4.1                  | 24.0               | -                      | -                      | <b>11020239</b>        | -                       | <b>11020253</b>         | -                      | <b>11020536</b>      | -                      | -                     |
| 4                             | 12              | 3.9 - 4.8                  | 38.0               | -                      | <b>11020105</b>        | -                      | -                       | -                       | <b>11020163</b>        | <b>11020539</b>      | -                      | <b>11020257</b>       |
| 6                             | 10              | 4.4 - 5.3                  | 58.0               | -                      | -                      | <b>11020241</b>        | -                       | -                       | -                      | -                    | -                      | -                     |

| Cross-sec.<br>mm <sup>2</sup> | AWG,<br>approx. | Outer-ø<br>min - max<br>mm | Cu-weight<br>kg/km | red-white<br>Part no. | black-white<br>Part no. | orange-white<br>Part no. | violet-black<br>Part no. | violet-white<br>Part no. | white-blue<br>Part no. | white-brown<br>Part no. | white-green<br>Part no. | white-red<br>Part no. |
|-------------------------------|-----------------|----------------------------|--------------------|-----------------------|-------------------------|--------------------------|--------------------------|--------------------------|------------------------|-------------------------|-------------------------|-----------------------|
| 1.5                           | 16              | 2.8 - 3.4                  | 14.4               | <b>29757</b>          | <b>11019931</b>         | -                        | -                        | <b>11020768</b>          | <b>11020516</b>        | <b>11020500</b>         | <b>11020499</b>         | <b>11020497</b>       |
| 2.5                           | 14              | 3.4 - 4.1                  | 24.0               | <b>29761</b>          | -                       | <b>11019079</b>          | <b>11020476</b>          | -                        | -                      | -                       | -                       | -                     |
| 4                             | 12              | 3.9 - 4.8                  | 38.0               | <b>29765</b>          | <b>11020518</b>         | <b>11020736</b>          | -                        | <b>11020425</b>          | -                      | -                       | -                       | -                     |
| 6                             | 10              | 4.4 - 5.3                  | 58.0               | <b>29769</b>          | -                       | -                        | -                        | -                        | -                      | -                       | -                       | -                     |
| 10                            | 8               | 5.7 - 6.8                  | 96.0               | <b>29773</b>          | -                       | -                        | -                        | -                        | -                      | -                       | -                       | -                     |

| Cross-sec.<br>mm <sup>2</sup> | AWG,<br>approx. | Outer-ø<br>min - max<br>mm | Cu-weight<br>kg/km | white-black<br>Part no. |
|-------------------------------|-----------------|----------------------------|--------------------|-------------------------|
| 1.5                           | 16              | 2.8 - 3.4                  | 14.4               | <b>11020503</b>         |

### H07V-K Drum

| Cross-sec.<br>mm <sup>2</sup> | AWG,<br>approx. | Outer-ø<br>min - max<br>mm | Cu-weight<br>kg/km | black<br>(RAL 9005)<br>Part no. | green-yellow<br>Part no. | blue<br>(RAL 5015)<br>Part no. | brown<br>(RAL 8003)<br>Part no. | red<br>(RAL 3000)<br>Part no. | white<br>(RAL 9003)<br>Part no. | grey<br>(RAL 7001)<br>Part no. | violet<br>(RAL 4005)<br>Part no. | orange<br>(RAL 2003)<br>Part no. |
|-------------------------------|-----------------|----------------------------|--------------------|---------------------------------|--------------------------|--------------------------------|---------------------------------|-------------------------------|---------------------------------|--------------------------------|----------------------------------|----------------------------------|
| 4                             | 12              | 3.9 - 4.8                  | 38.0               | <b>29560</b>                    | <b>29561</b>             | <b>29562</b>                   | <b>29563</b>                    | <b>29564</b>                  | <b>29565</b>                    | <b>29566</b>                   | <b>29567</b>                     | <b>29573</b>                     |
| 6                             | 10              | 4.4 - 5.3                  | 58.0               | <b>29574</b>                    | <b>29575</b>             | <b>29576</b>                   | <b>29577</b>                    | <b>29578</b>                  | <b>29579</b>                    | <b>29580</b>                   | <b>29581</b>                     | <b>29587</b>                     |
| 10                            | 8               | 5.7 - 6.8                  | 96.0               | <b>26825</b>                    | <b>26826</b>             | <b>26827</b>                   | <b>26828</b>                    | <b>26829</b>                  | <b>26830</b>                    | <b>26831</b>                   | <b>26832</b>                     | <b>26838</b>                     |
| 16                            | 6               | 6.7 - 8.1                  | 154.0              | <b>26841</b>                    | <b>26842</b>             | <b>26843</b>                   | <b>26844</b>                    | <b>26845</b>                  | <b>26846</b>                    | <b>26847</b>                   | <b>26848</b>                     | <b>26854</b>                     |
| 25                            | 4               | 8.4 - 10.2                 | 240.0              | <b>26857</b>                    | <b>26858</b>             | <b>26859</b>                   | <b>26860</b>                    | <b>26861</b>                  | <b>26862</b>                    | <b>26863</b>                   | <b>26864</b>                     | <b>26870</b>                     |
| 35                            | 2               | 9.7 - 11.7                 | 336.0              | <b>26873</b>                    | <b>26874</b>             | <b>26875</b>                   | <b>26876</b>                    | <b>26877</b>                  | <b>26878</b>                    | <b>26879</b>                   | <b>26880</b>                     | <b>26886</b>                     |
| 50                            | 1               | 11.5 - 13.9                | 480.0              | <b>26889</b>                    | <b>26890</b>             | <b>26891</b>                   | <b>26892</b>                    | <b>26893</b>                  | <b>26894</b>                    | <b>26895</b>                   | <b>26896</b>                     | <b>26902</b>                     |
| 70                            | 2/0             | 13.2 - 16.0                | 672.0              | <b>26905</b>                    | <b>26906</b>             | <b>26907</b>                   | <b>26908</b>                    | <b>26909</b>                  | <b>26910</b>                    | <b>26911</b>                   | <b>26912</b>                     | <b>26918</b>                     |
| 95                            | 3/0             | 15.1 - 18.2                | 912.0              | <b>26921</b>                    | <b>26922</b>             | <b>26923</b>                   | <b>26924</b>                    | <b>26925</b>                  | <b>26926</b>                    | <b>26927</b>                   | <b>26928</b>                     | <b>26934</b>                     |
| 120                           | 4/0             | 16.7 - 20.2                | 1152.0             | <b>29305</b>                    | <b>29306</b>             | <b>29307</b>                   | <b>29308</b>                    | <b>29309</b>                  | <b>29310</b>                    | <b>29311</b>                   | <b>29312</b>                     | <b>29318</b>                     |
| 150                           | 300 kcmil       | 18.6 - 22.5                | 1440.0             | <b>29321</b>                    | <b>29322</b>             | <b>29323</b>                   | <b>29324</b>                    | <b>29325</b>                  | <b>29326</b>                    | <b>29327</b>                   | <b>29328</b>                     | <b>29334</b>                     |
| 185                           | 350 kcmil       | 20.6 - 24.9                | 1776.0             | <b>29337</b>                    | <b>29338</b>             | <b>29339</b>                   | <b>29340</b>                    | <b>29341</b>                  | <b>29342</b>                    | <b>29343</b>                   | <b>29344</b>                     | <b>29350</b>                     |
| 240                           | 500 kcmil       | 23.5 - 28.4                | 2304.0             | <b>29353</b>                    | <b>29354</b>             | <b>29355</b>                   | <b>29356</b>                    | <b>29357</b>                  | <b>29358</b>                    | <b>29359</b>                   | <b>29360</b>                     | <b>29366</b>                     |

| Cross-sec.<br>mm <sup>2</sup> | AWG,<br>approx. | Outer-ø<br>min - max<br>mm | Cu-weight<br>kg/km | dark blue<br>(RAL 5010)<br>Part no. | pink<br>(RAL 3015)<br>Part no. |
|-------------------------------|-----------------|----------------------------|--------------------|-------------------------------------|--------------------------------|
| 4                             | 12              | 3.9 - 4.8                  | 38.0               | <b>29572</b>                        | <b>29569</b>                   |
| 6                             | 10              | 4.4 - 5.3                  | 58.0               | <b>29586</b>                        | <b>29583</b>                   |
| 10                            | 8               | 5.7 - 6.8                  | 96.0               | <b>26837</b>                        | <b>26834</b>                   |
| 16                            | 6               | 6.7 - 8.1                  | 154.0              | <b>26853</b>                        | <b>26850</b>                   |
| 25                            | 4               | 8.4 - 10.2                 | 240.0              | <b>26869</b>                        | <b>26866</b>                   |
| 35                            | 2               | 9.7 - 11.7                 | 336.0              | <b>26885</b>                        | <b>26882</b>                   |
| 50                            | 1               | 11.5 - 13.9                | 480.0              | <b>26901</b>                        | <b>26898</b>                   |
| 70                            | 2/0             | 13.2 - 16.0                | 672.0              | <b>26917</b>                        | <b>26914</b>                   |
| 95                            | 3/0             | 15.1 - 18.2                | 912.0              | <b>26933</b>                        | <b>26930</b>                   |
| 120                           | 4/0             | 16.7 - 20.2                | 1152.0             | <b>29317</b>                        | <b>29314</b>                   |
| 150                           | 300 kcmil       | 18.6 - 22.5                | 1440.0             | <b>29333</b>                        | <b>29330</b>                   |