

EUROPEAN STANDARDIZED CABLES



H05V2-K H05V-K H07V2-K H07V-K

Harmonized PVC hook up wire tri rated
300/500 volts and 450/750 volts



AWM Style 1015 105°C 600V E172204 CSA Type TEW 105°C 600V FT1 LL104758 CE

Marking for H05V2-K 31470150: SAB BRÖCKSKES · D-VIERSEN ·

< VDE > < HAR > H05V2-K H05V-K 0,5mm² 20 AWG AWM Style 1015 105°C 600V E172204 CSA Type TEW 105°C 600V FT1 LL104758 CE

One product with all the required standards for the North American and European markets. Recommended for use in electronic and electrical equipment designed for North America and Europe.

Construction:

| | |
|------------------------|--|
| Conductor: | tinned copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 5 |
| Insulation: | PVC T13 acc. to DIN VDE 0281 part 1 + HD 21.1 |
| H05V2-K H05V-K: | HAR/UL/CSA/CE from 20 AWG - 18 AWG MEGA 147 from 26 AWG - 18 AWG |
| H07V2-K H07V-K: | HAR/UL/CSA/CE from 16 AWG - 2 AWG MEGA 157 from 16 AWG - 4/0 AWG |
| Color: | black |

Outstanding features:

- flexing single conductor
- harmonized acc. to European standards

Technical data:

| | | |
|--|--|-------------------------------|
| Nominal voltage H05V2-K: | DIN VDE U ₀ /U 300/500 V | UL/CSA 600 V |
| Nominal voltage H07V2-K: | DIN VDE U ₀ /U 450/750 V | UL/CSA 600 V |
| Testing voltage H05V2-K: | 2000 V acc. to DIN VDE 0281 part 2 + HD 21.1 | |
| Testing voltage H07V2-K: | 2500 V acc. to DIN VDE 0281 part 2 + HD 21.2 | |
| Min. bending radius <i>fixed installation:</i> | < 12 mm = 3 x O.D. > 12 mm = 4 x O.D. | |
| <i>free movement:</i> | < 12 mm = 5 x O.D. > 12 mm = 6 x O.D. | |
| Temperature range <i>static:</i> | DIN VDE -40/+90 °C | UL/CSA up to +105°C |
| <i>flexing:</i> | +5/+90 °C | up to +105°C |
| Burning characteristics: | flame retardant and self-extinguishing acc. to IEC 60332-1-2 and EN 60332-1-2, UL VW-1 and CSA FT1 | |
| Absence of harmful substances: | acc. to RoHS directive of the European Union see page N/28 | |

MEGA 147 - UL / CSA / CE

| item no. | mm ² | AWG | nominal inch | outer-Ø mm | cable weight ≈ lbs/mft |
|---------------|-----------------|--------------|-----------------|---------------|------------------------------|
| ▶ 3147 .. 14* | 0.14 | 26 (≈ 18/38) | 0.079 | 2.0 | 4 |
| ▶ 3147 .. 25* | 0.25 | 24 (≈ 14/34) | 0.087 | 2.2 | 5 |
| ▶ 3147 .. 34* | 0.34 | 22 (≈ 7/30) | 0.091 | 2.3 | 6 |

Other colors are possible on request.

MEGA 157 / H07V2-K / H07V-K - HAR / UL / CSA / CE

| item no. | mm ² | AWG | nominal inch | outer-Ø mm | cable weight ≈ lbs/mft |
|---------------|-----------------|--------------|-----------------|---------------|------------------------------|
| ▶ 3157 .. 82* | 1.50 | 16 (≈ 27/30) | 0.122 | 3.1 | 13 |
| ▶ 3157 .. 84* | 2.50 | 14 (≈ 46/30) | 0.146 | 3.7 | 22 |
| ▶ 3157 .. 86* | 4.00 | 12 (≈ 52/28) | 0.169 | 4.3 | 34 |
| ▶ 3157 .. 87* | 6.00 | 10 (≈ 78/28) | 0.189 | 4.8 | 44 |
| ▶ 3157 .. 88* | 10.00 | 8 (≈ 77/26) | 0.268 | 6.8 | 81 |
| ▶ 3157 .. 89* | 16.00 | 6 (≈ 122/26) | 0.358 | 9.1 | 142 |
| ▶ 3157 .. 90* | 25.00 | 4 (≈ 190/26) | 0.417 | 10.6 | 204 |
| ▶ 3157 .. 91* | 35.00 | 2 (≈ 272/26) | 0.465 | 11.8 | 274 |

Other colors are possible on request.

MEGA 147 / H05V2-K / H05V-K - HAR / UL / CSA / CE

| item no. | mm ² | AWG | nominal inch | outer-Ø mm | cable weight ≈ lbs/mft |
|---------------|-----------------|--------------|-----------------|---------------|------------------------------|
| ▶ 3147 .. 50* | 0.50 | 20 (≈ 16/32) | 0.098 | 2.5 | 7 |
| ▶ 3147 .. 75* | 0.75 | 19 (≈ 23/32) | 0.106 | 2.7 | 9 |
| ▶ 3147 .. 80* | 1.00 | 18 (≈ 30/32) | 0.110 | 2.8 | 11 |

Other colors are possible on request.

MEGA 157 - UL / CSA / CE

| item no. | mm ² | AWG | nominal inch | outer-Ø mm | cable weight ≈ lbs/mft |
|---------------|-----------------|----------------|-----------------|---------------|------------------------------|
| ▶ 3157 .. 92* | 50.00 | 1 (≈ 400/26) | 0.598 | 15.2 | 403 |
| ▶ 3157 .. 93* | 70.00 | 2/0 (≈ 543/26) | 0.638 | 16.2 | 531 |
| ▶ 3157 .. 94* | 95.00 | 3/0 (≈ 484/24) | 0.760 | 19.3 | 717 |
| ▶ 3157 .. 95* | 120.00 | 4/0 (≈ 589/24) | 0.819 | 20.8 | 858 |

Other colors are possible on request.

* Color code for single conductors:

| | |
|-------------|-------------------|
| 01 = black | 08 = white |
| 02 = blue | 09 = orange |
| 03 = brown | 11 = red |
| 04 = gray | 17 = pink |
| 07 = violet | 27 = green-yellow |

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