

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

A one standard product with all the required approvals 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 | UL/CSA |
| H05V-K: | U ₀ /U 300/500 V | 600 V |
| Nominal voltage H07V2-K: | DIN VDE | UL/CSA |
| H07V-K: | U ₀ /U 450/750 V | 600 V |
| Testing voltage H05V2-K: | 2000 V acc. to DIN VDE 0281 part 2 + HD 21.1 | |
| H05V-K: | | |
| Testing voltage H07V2-K: | 2500 V acc. to DIN VDE 0281 part 2 + HD 21.2 | |
| H07V-K: | | |
| 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 | DIN VDE | UL/CSA |
| <i>static:</i> | -40/+90 °C | 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-guideline 2002/95/EG as well as GefStoffV appendix IV-no. 24, see page N/25 | |

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 (70/20) | 0.189 | 4.8 | 44 |
| ▶ 3157 .. 88* | 10.00 | 8 (77/26) | 0.268 | 6.8 | 81 |
| ▶ 3157 .. 89* | 16.00 | 6 (119/26) | 0.358 | 9.1 | 142 |
| ▶ 3157 .. 90* | 25.00 | 4 (196/26) | 0.417 | 10.6 | 204 |
| ▶ 3157 .. 91* | 35.00 | 2 (280/26) | 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 (15/32) | 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 (554/26) | 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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