

Halogen-free <HAR> hook-up wire

Type H05Z-K & H07Z-K



Recommended applications

Wiring devices, switch gear cabinets, and distribution boxes; in tubes on, in, or under plaster; closed installation ducts; dry rooms; areas where human safety and damage to electronic components are a concern

Approvals



Construction

Conductors: finely stranded bare copper

Insulation: cross-linked, halogen-free

Application advantage

- Low smoke, zero halogen (LSZH)
- Flame retardant
- 13 standard color options
- Embossed cable marking available upon request

| Cable attributes | | page 648 | |
|------------------|-------|----------|-------|
| OIL | OR-01 | FLAME | FR-02 |
| MOTION | FL-02 | MECH. | MP-01 |

Technical data

Temperature range: -15°C to +90°C

Nominal voltage:
 - H05Z-K: 300/500V
 - H07Z-K: 450/750V

Test voltage:
 - H05Z-K: 2000V
 - H07Z-K: 2500V

Conductor stranding: Class 5 fine wire

Color code:

| | |
|------------------|---------------|
| 00: green/yellow | 07: violet |
| 01: black | 08: pink |
| 02: blue | 09: orange |
| 03: brown | 11: yellow* |
| 04: red | 12: green* |
| 05: white | 14: dark blue |
| 06: gray | |

* No <HAR> for yellow or green wires ≥ 16 AWG

Approvals: Attributes: low smoke/low smoke density acc. to IEC 61034 flame retardant acc. to IEC 60332.1.2
 Additional: <HAR> H05Z-K & H07Z-K CE & RoHS

| Part number | Standard | Outer diameter | | Copper weight lbs/mft | Approx. weight lbs/mft |
|-------------------------------------|----------|----------------|-----------|-----------------------|------------------------|
| | | in | mm | | |
| H05Z-K | | | | | |
| 22 AWG (0.5 mm²) | | | | | |
| 4725..1 | H05Z-K | 0.083 - 0.102 | 2.1 - 2.6 | 3 | 6 |
| 20 AWG (0.75 mm²) | | | | | |
| 4725..2 | H05Z-K | 0.087 - 0.110 | 2.2 - 2.8 | 5 | 7 |
| 18 AWG (1 mm²) | | | | | |
| 4725..3 | H05Z-K | 0.094 - 0.114 | 2.4 - 2.9 | 6 | 9 |
| H07Z-K | | | | | |
| 16 AWG (1.5 mm²) | | | | | |
| 4726..1 | H07Z-K | 0.110 - 0.138 | 2.8 - 3.5 | 10 | 13 |
| 14 AWG (2.5 mm²) | | | | | |
| 4726..2 | H07Z-K | 0.134 - 0.169 | 3.4 - 4.3 | 16 | 22 |
| 12 AWG (4 mm²) | | | | | |
| 4726..3 | H07Z-K | 0.154 - 0.193 | 3.9 - 4.9 | 26 | 30 |
| 10 AWG (6 mm²) | | | | | |
| 4726..4 | H07Z-K | 0.173 - 0.217 | 4.4 - 5.5 | 39 | 44 |

| Part number | Standard | Outer diameter | | Copper weight lbs/mft | Approx. weight lbs/mft |
|------------------------------------|----------|----------------|-------------|-----------------------|------------------------|
| | | in | mm | | |
| 8 AWG (10 mm²) | | | | | |
| 4726..5 | H07Z-K | 0.224 - 0.280 | 5.7 - 7.1 | 65 | 74 |
| 6 AWG (16 mm²) | | | | | |
| 4726..6 | H07Z-K | 0.264 - 0.331 | 6.7 - 8.4 | 103 | 114 |
| 4 AWG (25 mm²) | | | | | |
| 4726..7 | H07Z-K | 0.331 - 0.417 | 8.4 - 10.6 | 161 | 195 |
| 2 AWG (35 mm²) | | | | | |
| 4726..8 | H07Z-K | 0.382 - 0.476 | 9.7 - 12.1 | 226 | 255 |
| 1 AWG (50 mm²) | | | | | |
| 4726..9 | H07Z-K | 0.453 - 0.567 | 11.5 - 14.4 | 323 | 356 |
| 2/0 AWG (70 mm²) | | | | | |
| 4727..1 | H07Z-K | 0.520 - 0.654 | 13.2 - 16.6 | 452 | 504 |
| 3/0 AWG (95 mm²) | | | | | |
| 4727..2 | H07Z-K | 0.594 - 0.740 | 15.1 - 18.8 | 613 | 672 |

For LAPP part number, add the double digit color code (see above) to the part number in the table, e.g.: 16 AWG H07Z-K green/yellow = 4726001