

High-Temperature Hookup Wire

Product Facts

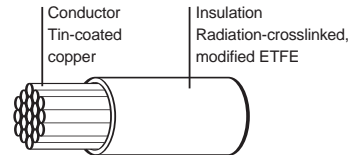
- UL rated operating temperature to 200°C [392°F]
- Exceptional chemical resistance
- Thin-wall, for size and weight savings
- Tough fluoropolymer insulation material
- Excellent stripping and handling
- Variety of constructions and colors
- Crosslinked to minimize cold flow
- VW-1 flammability rating
- 600 V rating

FlexLite HT



Applications

FlexLite HT (FLHT) wire is the product of choice for high-temperature applications. It offers shop-handling advantages over silicone/ fiberglass constructions (SF1/SF2) and is cost-competitive with other fluoropolymer wire. Applications include halogen lights and small high-end appliances where space and temperature are issues.



| Available in: | Americas | Europe | Asia Pacific |
|---------------|----------|--------|--------------|
| | ■ | ■ | ■ |

Electronics

FlexLite HT (Continued)

Specifications/Approvals

| Series | UL | CUR | CSA | Raychem |
|--------|--|------------|-------------------|----------|
| HT | Style 3557 Flammability VW-1 Temperature rating 200°C [392°F] | Recognized | Certified AWMIA/B | WCD-3106 |

Construction Details

| Part No. | Wire Size (AWG) | Conductor Stranding (No. x AWG) | Nominal Diameter mm [inch] | Finished Wire Maximum Resistance at 20°C (68°F) Ω/km [Ω /1000 ft] | Diameter | | | Nominal Weight in kg/km [lb/1000 ft] |
|---------------|-----------------|---------------------------------|----------------------------|---|-------------------|-------------------|-------------------|--------------------------------------|
| | | | | | Minimum mm [inch] | Nominal mm [inch] | Maximum mm [inch] | |
| FLHTC0311-26* | 26 | 19 x 38 | .470 [.0185] | 132 [40.1] | .765 [.0301] | .800 [.0315] | .836 [.0329] | 1.89 [1.27] |
| FLHTC0311-24* | 24 | 19 x 36 | .597 [.0235] | 83.3 [25.4] | .892 [.0351] | .927 [.0365] | .963 [.0379] | 2.75 [1.85] |
| FLHTC0311-22* | 22 | 19 x 34 | .749 [.0295] | 52.2 [15.9] | 1.04 [.0411] | 1.08 [.0425] | 1.12 [.0439] | 4.08 [2.74] |
| FLHTC0311-20* | 20 | 19 x 32 | .953 [.0375] | 32.0 [9.76] | 1.25 [.0491] | 1.28 [.0505] | 1.32 [.0519] | 6.21 [4.17] |
| FLHTC0311-18* | 18 | 19 x 30 | 1.18 [.0465] | 20.4 [6.22] | 1.48 [.0583] | 1.52 [.0600] | 1.57 [.0617] | 9.43 [6.34] |
| FLHTC0311-16* | 16 | 19 x 29 | 1.33 [.0525] | 15.8 [4.82] | 1.67 [.0656] | 1.71 [.0675] | 1.76 [.0694] | 12.0 [8.09] |
| FLHTC0311-14* | 14 | 19 x 27 | 1.68 [.0660] | 10.0 [3.05] | 2.03 [.0799] | 2.08 [.0820] | 2.14 [.0841] | 18.6 [12.5] |
| FLHTD0311-12* | 12 | 37 x 28 | 2.16 [.0850] | 6.59 [2.01] | 2.50 [.0984] | 2.57 [.1010] | 2.63 [.1036] | 28.7 [19.3] |

Construction Details

| Part No. | Nominal CSA (mm²) | Conductor Stranding No/Dia. (mm) | Diameter | | Finished Wire Maximum Resistance at 20°C (68°F) (ohms/km) | Diameter | | | Nominal Weight (kg/km) |
|-----------------|-------------------|----------------------------------|------------------|------------------|---|-----------------------------|------------------------|-----------------------------|------------------------|
| | | | (min.) mm [inch] | (max.) mm [inch] | | Lower Spec. Limit mm [inch] | Target Value mm [inch] | Upper Spec. Limit mm [inch] | |
| FLHTC0311-0.25* | 0.25 | 19/0.127 | 0.55 [.022] | 0.63 [.025] | 84.3 | 0.96 [.038] | 1.00 [.039] | 1.03 [.041] | 2.95 |
| FLHTC0311-0.35* | 0.35 | 19/0.15 | 0.74 [.029] | 0.76 [.030] | 56.1 | 1.12 [.044] | 1.16 [.046] | 1.19 [.047] | 4.22 |
| FLHTC0311-0.50* | 0.50 | 19/0.19 | 0.86 [.034] | 0.88 [.035] | 40.1 | 1.24 [.049] | 1.27 [.050] | 1.31 [.052] | 5.59 |
| FLHTC0311-0.75* | 0.75 | 19/0.23 | 1.05 [.041] | 1.08 [.043] | 24.7 | 1.43 [.056] | 1.47 [.058] | 1.51 [.059] | 7.95 |
| FLHTC0311-1.00* | 1.00 | 19/0.25 | 1.17 [.046] | 1.26 [.050] | 20.0 | 1.58 [.062] | 1.62 [.064] | 1.66 [.065] | 9.85 |
| FLHTC0311-1.50* | 1.50 | 19/0.32 | 1.35 [.053] | 1.58 [.062] | 13.7 | 1.82 [.072] | 1.87 [.074] | 1.92 [.076] | 15.69 |
| FLHTC0311-2.00* | 2.00 | 19/0.36 | 1.66 [.065] | 1.79 [.070] | 9.7 | 2.05 [.081] | 2.10 [.083] | 2.16 [.085] | 18.67 |
| FLHTC0311-2.50- | 2.50 | 19/0.41 | 1.85 [.073] | 2.01 [.080] | 8.2 | 2.24 [.088] | 2.31 [.091] | 2.38 [.094] | 24.62 |

* Replace asterisk with color code designator:
 0 = Black 3 = Orange 6 = Blue 9 = White
 1 = Brown 4 = Yellow 7 = Violet
 2 = Red 5 = Green 8 = Gray
 For example: FLHTC0311-22-9 = AWG 22, white.
 FLHTC0311-0.50-9 = Size 0.50mm², white.

For product requiring CUR (Canadian UL) or CSA marking in 14-10 AWG, 19 strand conductors only, the part numbering descriptions above DO NOT apply. Please contact Tyco Electronics for further information.