Electronic Hookup Wire

- Exuded Polytetrafluoroethylene (PTFE) Insulation
- Nominal .010” Wall
- -65°C to +200°C
- 600 Volts. R.M.S. (working)

Meets UL Style 1213 except where noted.

**Gauge (AWG)** | **Part No.** | **Nema Spec HP3 Wire Part No.** | **Number of Strands (AWG)** | **Gauge of Strands (AWG)** | **Nom. Dia. of Stranded Conductor In.** | **Nom. Fin. Wire Dia.** | **Max. Resistance (dc at 20°C) Ω/Per 1000-ft** | **Nom. wt. Lbs per 1000-ft** | **Kg/Km**
--- | --- | --- | --- | --- | --- | --- | --- | --- | ---
32 | NE132U | HP3-EXBAAx | 1 | 32 | 0.089 | 0.226 | 0.029 | 0.737 | 169.00 | 555 | .92 | 1.37
32 | NE740U | HP3-EXBBAx | 7 | 40 | 0.100 | 0.254 | 0.030 | 0.762 | 173.00 | 568 | .95 | 1.43
30 | NE130U | HP3-EXBBAx | 1 | 30 | 0.100 | 0.254 | 0.030 | 0.762 | 108.00 | 354 | 1.10 | 1.64
30 | NE738U | HP3-EXBBBx | 7 | 38 | 0.120 | 0.305 | 0.032 | 0.813 | 100.70 | 330 | 1.20 | 1.79
28 | NE128U | HP3-EXBCAx | 1 | 28 | 0.126 | 0.320 | 0.033 | 0.838 | 68.00 | 223 | 1.40 | 2.08
28 | NE736U | HP3-EXBCBx | 7 | 36 | 0.150 | 0.381 | 0.035 | 0.889 | 63.80 | 209 | 1.50 | 2.23
26 | NE126U | HP3-EXBDAx | 1 | 26 | 0.159 | 0.404 | 0.036 | 0.914 | 42.70 | 140 | 1.80 | 2.68
26 | NE734U | HP3-EXBDbx | 7 | 34 | 0.190 | 0.483 | 0.039 | 0.991 | 40.50 | 133 | 2.00 | 2.98
26 | NE1938U | HP3-EXBExx | 19 | 38 | 0.200 | 0.508 | 0.039 | 0.991 | 38.40 | 126 | 2.10 | 3.13
24 | NE124U | HP3-EXBEAx | 1 | 24 | 0.201 | 0.511 | 0.040 | 1.02 | 26.80 | 88 | 2.50 | 3.72
24 | NE732U | HP3-EXBEBx | 7 | 32 | 0.240 | 0.610 | 0.044 | 1.12 | 25.20 | 83 | 2.70 | 4.02
24 | NE1936U | HP3-EXBEEx | 19 | 36 | 0.250 | 0.635 | 0.044 | 1.12 | 24.30 | 80 | 2.80 | 4.17
22 | NE122U | HP3-EXBFAx | 1 | 22 | 0.254 | 0.645 | 0.045 | 1.14 | 17.00 | 56 | 3.40 | 5.06
22 | NE730U | HP3-EXBFbx | 7 | 30 | 0.300 | 0.762 | 0.050 | 1.27 | 15.90 | 52 | 3.70 | 5.51
22 | NE1934U | HP3-EXBFEx | 19 | 34 | 0.320 | 0.813 | 0.050 | 1.27 | 15.10 | 50 | 3.80 | 5.65
20 | NE120U | HP3-EXBGAx | 1 | 20 | 0.320 | 0.813 | 0.052 | 1.32 | 10.50 | 35 | 4.80 | 7.14
20 | NE728U | HP3-EXBGBx | 7 | 28 | 0.380 | 0.965 | 0.058 | 1.47 | 10.00 | 33 | 5.30 | 7.89
20 | NE1932U | HP3-EXBGEx | 19 | 32 | 0.400 | 1.02 | 0.058 | 1.47 | 9.19 | 30 | 5.60 | 8.33
18 | NE118U | HP3-EXBHEx | 1 | 18 | 0.403 | 1.02 | 0.061 | 1.55 | 6.60 | 22 | 7.00 | 10.4
18 | NE726U | HP3-EXBHEx | 7 | 26 | 0.480 | 1.22 | 0.069 | 1.75 | 6.28 | 21 | 7.90 | 11.8
18 | NE1930U | HP3-EXBHEx | 19 | 30 | 0.500 | 1.27 | 0.069 | 1.75 | 5.879 | 19 | 8.30 | 12.4
16 | NE116U | HP3-EXBJAx | 1 | 16 | 0.508 | 1.29 | 0.074 | 1.88 | 4.20 | 14 | 10.50 | 15.6
16 | NE1929U | HP3-EXBJEx | 19 | 29 | 0.570 | 1.45 | 0.080 | 2.03 | 4.52 | 15 | 11.00 | 16.4
14 | NE1927U | HP3-EXBKEx | 19 | 27 | 0.720 | 1.83 | 0.095 | 2.41 | 2.88 | 9 | 16.00 | 23.8
12 | NE1925U | HP3-EXBLEx | 19 | 25 | 0.910 | 2.31 | 0.114 | 2.90 | 1.81 | 6 | 24.10 | 35.9
12 | NE3728U | HP3-EXBLGx | 37 | 28 | 0.890 | 2.26 | 0.112 | 2.84 | 1.90 | 6 | 25.00 | 37.2
10 | NE3726U | HP3-EXBMMGx | 37 | 26 | 1.110 | 2.82 | 0.134 | 3.40 | 1.19 | 4 | 35.20 | 52.4

Standard basic insulation color numbers are: Black: 0, Brown: 1, Red: 2, Orange: 3, Yellow: 4, Green: 5, Blue: 6, Violet: 7, Gray: 8, White: 9. The insulation color code number, may be 1, 2 or 3 digits depending on the number or absence of stripes. The 1st number is color of Insulation, 2nd number is color of first stripe; 3rd number is color of the second stripe. Example: White wire(9) + Red stripe(2) + Black stripe(0) makes a color code number of “9-2-0”. That color number, “9-2-0” is appended to the part number. Sample part number might be “xxxxxx-xxx-9-2-0”

† Not U.L. Recognized
## NEMA HP-3 Type E

### RoHS COMPLIANT PRODUCTS:

All RoHS products have the letter “R” written into the second position of the Part No.

<table>
<thead>
<tr>
<th>GAUGE (AWG)</th>
<th>PART NO.</th>
<th>NEMA SPEC HP3 WIRE PART NO.</th>
<th>NUMBER OF STRANDS (AWG)</th>
<th>GAUGE OF STRANDS (AWG)</th>
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<th>NOM. FIN. WIRE DIAM. IN. mm</th>
<th>MAX. RESISTANCE (dc at 20ºC) Ω/1000-ft</th>
<th>LBS per 1000-ft</th>
<th>KG/KM</th>
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