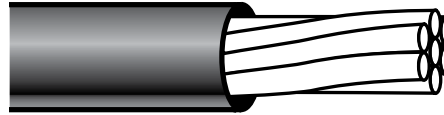


NEMA HP-3 Type ET



Extruded PTFE
Insulation

Silver Plated
Copper Stranded

For internal wiring of meters, panels and electronic equipment. Formerly "Mil-W-16878/6."

Electronic Hookup Wire

- Extruded Polytetrafluoroethylene (PTFE) Insulation
- Nominal .005" Wall
- -65°C to +200°C
- 250 Volts. R.M.S. (working)

Meets UL Styles 1371 and 1531 for 105°C only.

Military Voltage Rating	250 volts.
Dielectric Voltage Withstand	1500 Volts, Wet
Sine-wave Spark-Test Voltage	2900 VAC.
Impulse Spark Test Voltage	4000 V pulse-peak
Insulation Breakdown Voltage	> 4500 volts, peak.
IR: Insulation Resistance, wet	> 10000 megohm/100 mtr, metal to water bath at +20°C
Nominal Dielectric Constant value	2.04
Flame Properties	Self extinguishing
Cold Bending for gauges 32 to 16	Bends over a 1 inch mandrel while at -54°C
Cold Bending for gauges 14 to 12	Bends over a 2 inch mandrel while at -54°C
Fungus	Fungus resistant

GAUGE (AWG)	PART NO.	NEMA SPEC HP3 WIRE PART NO.	NUMBER OF STRANDS (AWG)	GAUGE OF STRANDS (AWG)	NOM. DIAM. OF STRANDED CONDUCTOR		NOM. FIN. WIRE DIAM.		MAX. RESISTANCE (dc at 20° C) Ω /per		NOM. WT.	
					IN.	mm	IN.	mm	1000-ft	Km	LBS per 1000-ft	Kg/Km
32	NET 740U	HP3-ETXBABx	7	40	.0100	.254	.022	.559	173.00	568	.54	.80
30	NET 130U	HP3-ETXBBAx	1	30	.0100	.254	.022	.559	108.00	354	.68	1.01
30	NET 738U	HP3-ETXBBBx	7	38	.0120	.305	.024	.610	100.70	330	.75	1.12
28	NET 128U	HP3-ETXBCAx	1	28	.0126	.320	.025	.635	68.00	223	.95	1.41
28	NET 736U	HP3-ETXBCBx	7	36	.0150	.381	.027	.686	63.80	209	1.01	1.50
26	NET 126U	HP3-ETXBDAx	1	26	.0159	.404	.028	.711	42.70	140	1.30	1.93
26	NET 734U	HP3-ETXBDBx	7	34	.0190	.483	.031	.787	40.50	133	1.40	2.08
26	NET 1938U	HP3-ETXBDEx	19	38	.0200	.508	.031	.787	38.40	126	1.50	2.23
24	NET 124U	HP3-ETXBEAx	1	24	.0201	.511	.032	.813	26.80	88	1.90	2.83
24	NET 732U	HP3-ETXBEBx	7	32	.0240	.610	.036	.914	25.20	83	2.70	4.02
24	NET 1936U	HP3-ETXBEEEx	19	36	.0250	.635	.036	.914	24.30	80	2.10	3.13
22	NET 122U	HP3-ETXBFAx	1	22	.0254	.645	.038	.965	17.00	56	2.70	4.02
22	NET 730U	HP3-ETXBFBx	7	30	.0300	.762	.042	1.07	15.90	52	3.70	5.51
22	NET 1934U	HP3-ETXBFEEx	19	34	.0320	.813	.042	1.07	15.10	50	3.10	4.61
20	NET 120U	HP3-ETXBGAx	1	20	.0320	.813	.044	1.12	10.50	35	4.10	6.10
20	NET 728U	HP3-ETXBGBx	7	28	.0380	.965	.050	1.27	10.00	33	4.40	6.55
20	NET 1932U	HP3-ETXBGEEx	19	32	.0400	1.02	.050	1.27	9.19	30	4.70	7.00

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 "xxxxx-xxx-9-2-0"

NEMA HP-3 Type ET



RoHS COMPLIANT PRODUCTS:

all RoHS products have the letter "R" written into the second position of the Part No.

GAUGE (AWG)	PART NO.	NEMA SPEC HP3 WIRE PART NO.	NUMBER OF STRANDS (AWG)	GAUGE OF STRANDS (AWG)	NOM. DIAM. OF STRANDED CONDUCTOR		NOM. FIN. WIRE DIAM.		MAX. RESISTANCE (dc at 20° C) Ω /per		NOM. WT.	
					IN.	mm	IN.	mm	1000-ft	Km	LBS per 1000-ft	Kg/Km
32	NRET 740U	HP3-ETXBABx	7	40	.0100	.254	.022	.559	173.00	568	.54	.80
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