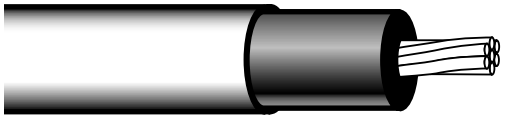
MIL-DTL-16878/17



Extruded Nylon Jacket Overall | Thermoplastic Insulation | Tinned Copper Stranded

For internal wiring of meters, panels and electronic equipment . Formerly "Type BN."

Electronic Hookup Wire

- **Vinyl Primary Insulation - Nominal .010" Wall**
- **Nylon Secondary Jacket - Nominal Wall .003"**
- **-54ºC to +105ºC**
- **600 Volts. R.M.S. (working)**

Military Voltage Rating	600 volts.
Factory Spark-Test Voltage	3400 VAC.
Impulse Spark Test Voltage	8000 V pulse-peak, or 5700 V @3 kHz
Insulation Breakdown Voltage	> 5000 volts, peak.
IIR: Insulation Resistance, wet	> 1500 megohm/100 meter, metal to water bath at +20ºC.
Nominal Dielectric Constant value	4.
Flame Properties	Self extinguishing. Meets UL VW-1
Cold Bending for gauges 26 to 32	Bends over 1 inch mandrel while at -54ºC.
Cold Bending for gauges 14 to 24	Bends over 2 inch mandrel while at -54ºC.
Fungus	Fungus Resistant

Meets UL Style 1004, 1005, 1006 except where noted.

GAUGE (AWG)	PART NO.	MIL-SPEC PART NO.	NUMBER OF STRANDS (AWG)	GAUGE OF STRANDS (AWG)	NOM. DIAM. OF STRANDED CONDUCTOR IN.	*mm*	NOM. FIN. WIRE DIAM. IN.	*mm*	MAX. RESISTANCE (dc at 20º C) Ω /per 1000-ft	*Km*	NOM. WT. LBS per 1000-ft	*Kg/Km*
32	NB132N†	M16878/17 BAA	1	32	.0080	*.203*	.034	*.864*	178.00	*584*	.074	*1.10*
32	NB740N†	M16878/17 BAB	7	40	.0090	*.229*	.035	*.890*	182.00	*597*	0.75	*1.12*
30	NB130N	M16878/17 BBA	1	30	.0100	*.254*	.036	*.914*	114.00	*374*	0.77	*1.15*
30	NB738N	M16878/17 BBB	7	38	.0120	*.305*	.038	*.965*	108.00	*654*	1.00	*1.49*
28	NB128N	M16878/17 BCA	1	28	.0126	*.320*	.039	*.991*	70.80	*232*	1.15	*1.71*
28	NB736N	M16878/17 BCB	7	36	.0150	*.381*	.041	*1.04*	68.20	*224*	1.22	*1.82*
26	NB126N	M16878/17 BDA	1	26	.0159	*.404*	.042	*1.07*	44.50	*146*	1.52	*2.26*
26	NB734N	M16878/17 BDB	7	34	.0190	*.483*	.045	*1.14*	42.60	*140*	1.65	*2.46*
26	NB1938N	M16878/17 BDE	19	38	.0190	*.483*	.045	*1.14*	40.10	*132*	1.75	*2.60*
24	NB124N	M16878/17 BEA	1	24	.0201	*.511*	.046	*1.17*	27.20	*89*	2.00	*2.98*
24	NB732N	M16878/17 BEB	7	32	.0240	*.610*	.050	*1.27*	26.20	*86*	2.15	*3.20*
24	NB1936N	M16878/17 BEE	19	36	.0240	*.610*	.050	*1.27*	25.40	*83*	2.25	*3.35*
22	NB122N	M16878/17 BFA	1	22	.0253	*.643*	.052	*1.32*	17.20	*56*	3.00	*4.46*
22	NB730N	M16878/17 BFB	7	30	.0300	*.762*	.056	*1.42*	16.70	*55*	3.15	*4.69*
22	NB1934N	M16878/17 BFE	19	34	.0300	*.762*	.056	*1.42*	15.90	*52*	3.25	*4.84*
20	NB120N	M16878/17 BGA	1	20	.0320	*.813*	.058	*1.47*	10.70	*35*	4.50	*6.70*
20	NB728N	M16878/17 BGB	7	28	.0380	*.965*	.064	*1.63*	10.40	*34*	4.60	*6.85*
20	NB1030N	M16878/17 BGC	10	30	.0380	*.965*	.064	*1.63*	11.80	*39*	4.70	*7.00*
20	NB1932N	M16878/17 BGE	19	32	.0380	*.965*	.064	*1.63*	9.76	*32*	4.75	*7.10*
18	NB118N	M16878/17 BHA	1	18	.0430	*1.02*	.066	*1.68*	6.78	*22*	6.20	*9.23*
18	NB726N	M16878/17 BHB	7	26	.0480	*1.22*	.074	*1.88*	6.54	*21*	6.60	*9.82*
18	NB1930N	M16878/17 BHE	19	30	.0480	*1.22*	.074	*1.88*	6.22	*20*	7.00	*10.42*
16	NB116N	M16878/17 BJA	1	16	.0508	*1.29*	.079	*2.01*	4.26	*14*	8.40	*12.50*
16	NB1929N†	M16878/17 BJE	19	29	.0540	*1.37*	.085	*2.16*	4.82	*16*	9.00	*13.40*
16	NB2630N	M16878/17 BJF	26	30	.0550	*1.40*	.085	*2.16*	4.59	*15*	9.50	*14.14*
14	NB114N†	M16878/17 BKA	1	14	.0641	*1.63*	.092	*2.34*	2.68	*9*	14.25	*21.20*
14	NB1927N†	M16878/17 BKE	19	27	.0690	*1.75*	.099	*2.52*	3.05	*10*	14.70	*21.87*

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, per MIL-STD-681, 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 "920". That color number, "920" is appended to the part number. Sample part number might be "xxxxxx-xxx-920"

† Not U.L. Recognized