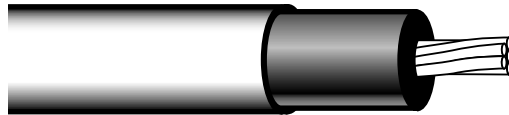


MIL-DTL-16878/18

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



Extruded Nylon
Jacket Overall

Thermoplastic
Insulation

Tinned Copper
Stranded

Electronic Hookup Wire

- Vinyl Primary Insulation -
Nominal .015" Wall
- Nylon Secondary Jacket -
Nominal Wall .003"
- -54°C to +105°C
- 1000 Volts. R.M.S. (working)

Meets UL Styles 1008, 1009, 1010, CSA TR-64
with nylon except where noted.

Military Voltage Rating	1000 volts.
Sine-wave Spark-Test Voltage	5000 VAC.
Impulse Spark Test Voltage	10000 V pulse-peak, or 7100 V @3 kHz
Insulation Breakdown Voltage	> 7000 volts, peak.
IR: Insulation Resistance, wet	> 2000 megohm/100 meter, metal to water bath at +20°C
Nominal Dielectric Constant value	4.
Flame Properties	Self extinguishing. Meets UL VW-1
Cold Bending for gauges 16 to 26	Bends over 2 inch mandrel while at -54°C.
Cold Bending for gauges 12 to 14	Bends over 3 inch mandrel while at -54°C.
Fungus	Fungus Resistant

GAUGE (AWG)	PART NO.	MIL-SPEC 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
26	NC126N*	M16878/18 BDA	1	26	.0159	.404	.056	1.42	44.50	146	2.50	3.7
26	NC734N*	M16878/18 BDB	7	34	.0190	.483	.059	1.50	42.60	140	2.60	3.9
26	NC1938N*	M16878/18 BDE	19	38	.0190	.483	.059	1.50	40.10	132	2.70	4.0
24	NC124N	M16878/18 BEA	1	24	.0201	.511	.060	1.52	27.20	89	3.15	4.7
24	NC732N	M16878/18 BEB	7	32	.0240	.610	.064	1.63	26.20	86	3.25	4.8
24	NC1936N	M16878/18 BEE	19	36	.0240	.610	.064	1.63	25.40	83	3.35	5.0
22	NC122N	M16878/18 BFA	1	22	.0253	.643	.065	1.65	17.20	56	3.70	5.5
22	NC730N	M16878/18 BFB	7	30	.0300	.762	.070	1.78	16.70	55	3.90	5.8
22	NC1934N	M16878/18 BFE	19	34	.0300	.762	.070	1.78	15.90	52	4.00	6.0
20	NC120N	M16878/18 BGA	1	20	.0320	.813	.072	1.83	10.70	35	5.50	8.2
20	NC728N	M16878/18 BGB	7	28	.0380	.965	.078	1.98	10.40	34	6.00	8.9
20	NC1030N	M16878/18 BGC	10	30	.0380	.965	.078	1.98	11.80	39	5.70	8.5
20	NC1932N	M16878/18 BGE	19	32	.0380	.965	.078	1.98	9.76	32	6.00	8.9
18	NC118N	M16878/18 BHA	1	18	.0403	1.02	.083	2.11	6.78	22	7.90	11.8
18	NC726N	M16878/18 BHB	7	26	.0480	1.22	.090	2.29	6.54	21	8.30	12.4
18	NC1930N	M16878/18 BHE	19	30	.0480	1.22	.090	2.29	6.22	20	8.50	12.6
16	NC116N	M16878/18 BJA	1	16	.0508	1.29	.093	2.36	4.26	14	11.25	16.7
16	NC1929N*†	M16878/18 BJE	19	29	.0540	1.37	.099	2.52	482	16	10.75	16.0
16	NC2630N	M16878/18 BJF	26	30	.0550	1.40	.102	2.60	4.59	15	11.25	16.7
14	NC114N	M16878/18 BKA	1	14	.0641	1.63	.106	2.70	2.68	9	16.50	24.6
14	NC1927N*†	M16878/18 BKE	19	27	.0690	1.75	.113	2.87	3.05	10	15.50	23.1
14	NC4130N	M16878/18 BKH	41	30	.0710	1.80	.120	3.05	2.94	9.7	16.40	24.4
12	NC1925N*†	M16878/18 BLE	19	25	.0890	2.26	.132	3.53	1.92	6.3	25.50	37.9
12	NC3728N*	M16878/18 BLG	37	28	.0890	2.26	.132	3.53	2.01	6.6	26.20	39.0
12	NC6530N*	M16878/18 BLJ	65	30	.0890	2.26	.141	3.58	1.85	6.1	2 6.50	39.4

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, 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 C.S.A. Certified

† Not U.L. Recognized