



MIL-DTL 16878/16 EXRAD 3000 Volt Multi-Purpose Cables

(Deactivated for Military Programs December 2014)

MIL-DTL16878/16 is a high performance power/battery cable designed specifically for military vehicles.. It meets both MIL-DTL 16878/16 and SAEJ1127 GXL requirements.. As engine compartments grow smaller, operating temperatures become hotter and electronics proliferate under the hood, MIL-DTL 16878/16 power/battery cable fulfills these demands..

MIL-DTL16878/16 power/battery cable has an irradiated cross-linked polyolefin insulation capable to withstand temperatures in excess of 125°C to 200°C and higher.

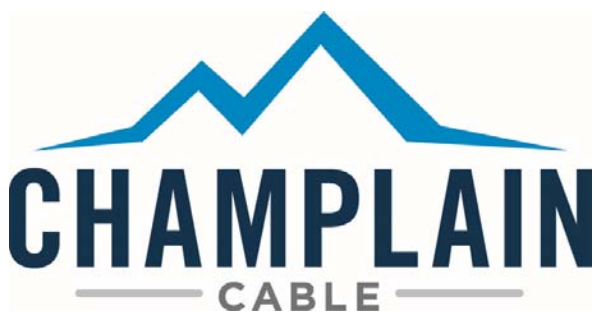
MIL-DTL16878/16 can provide the solution to the complex demands of the current military vehicle environments. Thinner and Lighter than conventional battery/power cables, it is flexible enough for easy routing yet tough enough to withstand the roughest environments. The end result is a military power/battery cable wire ideally suited for applications where a combination of flexibility, long-life and performance is required.

Benefits and Features

- Thin Wall, uses up to 40% less space than GXL
- Rated at 3000 Volts
- 55°C to 125 °C Temperature Range
- Superior Cut- & Strip Processing
- Excellent Abrasion Resistance
- Very Fluid Resistant
- RoHS Compliant

Applications

- Batteries
- Legacy Military Equipment
- Legacy Military Vehicles
- Power Distribution
- Starters
- Ground Wires





MIL-DTL 16878/16

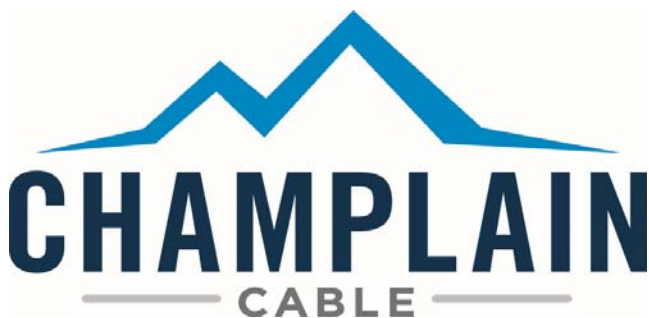
EXRAD 3000 Volt

Multi-Purpose Cables

Part Number	Standard Conductors [T.C.]	Conductor Dia. (Nom.)		Nominal Ins. Thickness		Nom. OD		Finished Weight (lbs/mft)	Ampacity
		in.	mm.	in.	mm.	in.	mm.		
M16878-16BMG	10 (37/27)	.111	2.82	.032	.81	.174	4.42	39.8	80
M16878-16BNM	8 (168/30)	.169	4.29	.037	.94	.242	6.14	65.4	106
M16878-16BPL	6 (133/27)	.210	5.33	.038	.97	.286	7.26	100.7	155
M16878-16BRL	4 (133/25)	.268	6.81	.041	1.04	.349	8.86	155.3	190
M16878-16BSP	2 (665/30)	.342	8.69	.039	.99	.419	10.64	243.1	255
M16878-16BTN	1 (259/25)	.378	9.60	.047	1.19	.471	11.18	301.2	293
M16878-16BUS	1/0 (1045/30)	.431	10.95	.045	1.14	.521	13.23	370.2	339
M16878-16BWT	2/0 (1330/30)	.475	12.07	.053	1.35	.580	14.73	472.1	390
M16878-16BYV	3/0 (1672/30)	.535	13.59	.064	1.63	.662	16.81	599.2	451
M16878-16BZW	4/0 (2109/30)	.600	15.24	.096	2.44	.795	20.19	791.6	529

- Ampacity 125°C rated single-insulated conductor in free air at 40°C ambient air temperature. Additional Sizes available upon request
 - NOTE 1: MIL-DTL 16878/14 & /15 & /16 have been deactivated by the warrant holder, U.S. Army and replaced by NEMA specification HP 5 Type “L”, Type “LL” & Type “LX”, respectively. The effective date of this change is December 23rd, 2014.
 - NOTE 2: Champlain Cable Corporation shall not be held liable by any company or 3rd party misapplication of the MIL-DTL 16878/14 & /15 & /16 products on military installations.

We cannot anticipate all conditions under which this information and our products or the products of other manufacturers in combination with our products may be used. We accept no responsibility for results obtained by the application of this information or the safety and suitability of our products alone or in combination with other products. Users are advised to make their own tests to determine the safety and suitability of each such product combination for their own purpose. Unless otherwise agreed in writing, we sell the products without warranty, and buyers and users assume all responsibility and liability for loss and damage arising from the handling and use of our products whether used alone or in combination with other products.



Manufacturing Locations

Colchester, Vermont

El Paso, Texas

www.champcable.com