



# MIL-DTL 16878/15 EXRAD 1000 Volt Multi-Purpose Cables

## (Deactivated for Military Programs December 2014)

MIL-DTL16878/15 was specifically designed for Military Installation & Applications. It is a high performance wire built to handle the increasingly adverse environments. It is an irradiation cross-linked polyolefin with impressive properties. It significantly reduces wire and harness routing headaches because it is more heat resistant, tougher and more fluid resistant than TXL.

MIL-DTL16878/15 is rated at 125°C, but it survives temperatures to 240°C and higher. It is safer in overload conditions because it will not melt.

MIL-DTL16878/15 creates opportunities to eliminate unnecessary and expensive convolute tubing, tapes and heat shields that protect inferior wire systems.

MIL-DTL 16878/15 has a life expectancy over 10,000 hours @ 125°C.

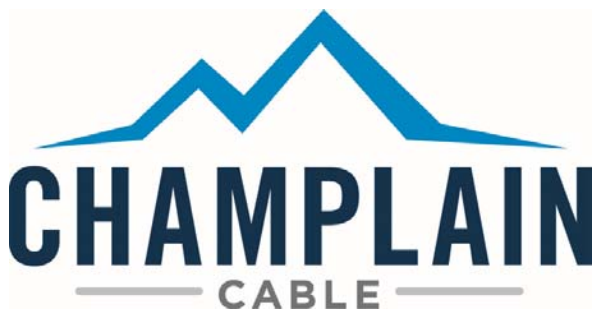
MIL-DTL16878/15 processes very well on automated high speed cut and strip equipment. The end result being a Military Application wire ideally suited to applications where heat protection, long life and less expensive wiring harnesses are required.

### Benefits and Features

- M16878/14 Rated 125°C 600 V
- Exceeds SAE J1678 "W" Requirements
- Cold temperature performance to -55°C
- Excellent Cut-Through Resistance
- Excellent Abrasion Resistance
- Very Fluid Resistant
- RoHS Compliant

### Applications

- Including but not limited to:
- Legacy Military Equipment
- Legacy Military Vehicles
- Powertrain
- Under Hood
- Locations near exhaust manifolds or other high temperature areas





# MIL-DTL 16878/15

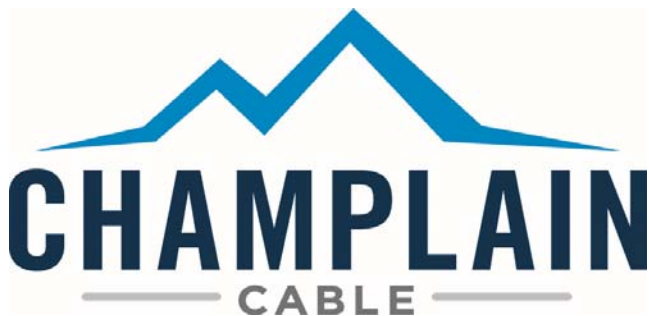
## EXRAD 1000 Volt

### Multi-Purpose Cables

Part Number	Standard Conductors [T.C.]	Conductor Dia. (Nom.)		Nom. Ins. Thickness		Nom. OD		Finished Weight (lbs/mft)	Ampacity
		in.	mm.	in.	mm.	in.	mm.		
M16878-15BDB	26 (7/34)	.019	.48	.017	.43	.052	1.32	1.96	3
M16878-15BEB	24 (7/32)	.024	.61	.017	.43	.057	1.45	2.62	7
M16878-15BFB	22 (7/30)	.030	.76	.017	.43	.063	1.60	3.50	11
M16878-15BGB	20 (7/28)	.038	.97	.017	.43	.071	1.80	4.99	15
M16878-15BHE	18 (19/0092)	.045	1.14	.017	.43	.079	2.01	6.82	21
M16878-15BJE	16 (19/0117)	.058	1.47	.017	.43	.092	2.34	10.43	28
M16878-15BKE	14 (19/0147)	.072	1.83	.017	.43	.106	2.69	15.57	42
M16878-15BLJ	12 (65/30)	.093	2.36	.017	.43	.127	3.26	23.71	55

- 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 23<sup>rd</sup>, 2014.
  - ◊ **NOTE 2:** Champlain Cable Corporation shall not be held liable by any company or 3<sup>rd</sup> 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](http://www.champcable.com)