



# 150A MIL-Plus “14” EXRAD 600 Volt Multi-Purpose Cables

**EXRAD 150A MIL-Plus** is specifically designed to address Commercial & Military Vehicle and Equipment. This product meets MIL-DTL 16878/14, NEMA HP 5 “L” and SAE J1678 “W” requirements. 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.

**EXRAD 150A MIL-Plus** is rated at 150°C, but it survives temperatures to 240°C and higher. It is safer in overload conditions because it will not melt.

**EXRAD 150A MIL-Plus** creates opportunities to eliminate unnecessary and expensive convolute tubing, tapes and heat shields that protect inferior wire systems.

**EXRAD 150A MIL-Plus** processes very well on automated high speed cut and strip equipment. The end result being a Vehicle and Equipment wire ideally suited to applications where heat protection, long life and less expensive wiring harnesses are required.

## Benefits and Features

Exceeds M16878/14 Rating @ 125°C 600 V

Exceeds SAE J1678 “W” Requirements

Cold temperature performance to -65°C

Excellent Cut-Through Resistance

Excellent Abrasion Resistance

Very Fluid Resistant

RoHS Compliant

## Applications

Including but not limited to:

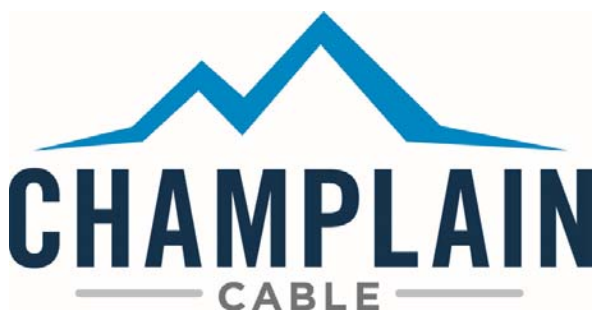
Military Equipment

Military Vehicles

Powertrain

Under Hood

Locations near exhaust manifolds or other high temperature areas



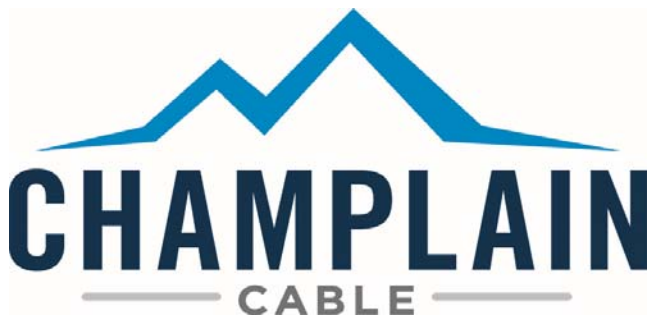


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Part Number	Standard Conductors [T.C.]	Conductor Dia. (Nom.)		Nominal Ins. Thickness		Nom. OD		Finished Weight (lbs/mft)	Ampacity
		in.	mm.	in.	mm.	in.	mm.		
150APL-14BEB	24 (7/32)	.024	.61	.010	.25	.044	1.12	1.98	7
150APL-14BFB	22 (7/30)	.030	.76	.010	.25	.050	1.27	2.89	11
150APL-14BGB	20 (7/28)	.038	.97	.010	.25	.058	1.47	4.33	15
150APL-14BHE	18 (19/.0092)	.045	1.14	.012	.30	.069	1.75	6.22	21
150APL-14BJE	16 (19/29)	.054	1.37	.012	.30	.078	1.98	8.80	28
150APL-14BKE	14 (19/27)	.069	1.75	.012	.30	.093	2.49	14.93	42

- 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.

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)