



MILITARY

Inventing *the Future* of Wire and Cable



EXRAD 150A MIL-Plus Mil 16878/14 Powertrain

EXRAD 150A MIL-Plus is specifically designed for Military Vehicles. It meets both Mil 16878/14 and SAE J1678 "W" requirements. It is a high performance wire built to handle the increasingly brutal environment. 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. EXRAD150A MIL-Plus 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.

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

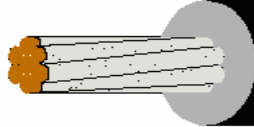
EXRAD 150A MIL-Plus processes very well on automated high speed cut and strip equipment. The end result is a Military Vehicle wire ideally suited to applications where heat protection, long life and less expensive wiring harnesses are required.

Benefits and Features

M16878/14 Rated 125°C 600 Volt
Exceeds SAE 1678 "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:
Military Equipment
Military Vehicles
Powertrain
Under Hood
Locations near exhaust manifolds or other high temperature areas



Champlain Cable Corporation

Part Number	Standard Conductors Tinned Copper	Nom. Dia of Conductor		Nom. Insulation Thickness		Nom. OD		Finished Weight (lbs/mft)	Ampacity
		in.	mm.	in.	mm.	in.	mm.		
150APL14BEB	24 (7/32)	.024	.61	.010	.25	.044	1.12	1.98	7
150APL14BFB	22 (7/30)	.030	.76	.010	.25	.050	1.27	2.89	11
150APL14BGB	20 (7/28)	.038	.97	.010	.25	.058	1.47	4.33	15
150APL14BHE	18 (19/.0092)	.045	1.14	.012	.30	.069	1.75	6.22	21
150APL14BJE	16 (19/.29)	.054	1.37	.012	.30	.078	1.98	8.80	28
150APL14BKE	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.

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