

FXD SAE TXL Door & Hatch

SAE, TXL, 125°C, 60V

- Highly Engineered EXRAD[®] FXD Irradiation Crosslinked Polyolefin
- Designed Specifically for High-Flex Door and Hatch Applications
- Standard Connectors Match and Seal Well
- Performs at Low Temperatures When Other Products Crack and Fail
- Long Flex Life and Abrasion Resistance for Today's Longer Warranties
- Excellent Column Strength for Seal Insertion



















Product Number	Standard Conductors Bare Copper	Nom. Conductor Diameter		Nom. Insulation Thickness		Nom. Finished OD in. mm.		Nom. Finished Weight (lbs/mft)	Ampacity At 40°C in Free Air
	buile ooppei	in.	mm.	in.	mm.		(ibs/iiit)	1 166 All	
EXRAD-FX22-XX	22 (37/37)	.031	.79	016	.41	.063	1.60	3.56	8
EXRAD-FX20-XX	20 (41/36)	.035	.89	.016	.41	.070	1.78	4.73	13
EXRAD-FX18-XX	18 (41/34)	.047	1.19	.016	.41	.078	1.98	6.67	17
EXRAD-FX16-XX	16 (41/32)	.057	1.83	.016	.41	.089	2.26	9.99	26
EXRAD-FX14-XX	14 (105/34)	.071	1.85	.016	.41	.103	2.62	15.08	42
EXRAD-FX12-XX	12 (105/32)	.095	.41	.018	.46	.128	3.25	23.96	55
EXRAD-FX10-XX	10 (105/30)	.112	2.84	.018	.46	.156	3.96	38.40	72



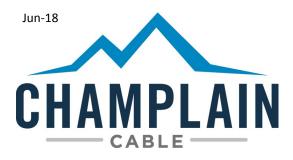




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EXRAD FXD									
P	SAE J1128 TXL Req.	EXRAD 20 FXD Typical Performance							
Flex Life									
Flex Test	Per Modified ISO 14572	NA	160,000						
Dielectric Strength									
Dielectric Test	Wet Dielectric after 5 hour soak	1 kV 1 min.	5 kV 30 min.						
Flame Resistance									
Flame Test	Maximum time after burn	70 Sec	4 sec						
Thermal Performance									
Cold Bend	4 hours at temperature no cracks / breakdown	-40°C	-70°C						
Temperature Rating	240 Hours @180°C heat aging	155°C	155°C						
Temperature Rating	3000 Hours @150°C	125°C	125°C						
Mechanical Properties									
Tensile	Minimum psi	1500	3300						
Elongation	Minimum %	150	430						
Abrasion	Sand Paper Resistance Length in. (14 awg)	18	45						
Abrasion	Scrape Cycles (14 awg)	None	148						
Pinch	Pounds	9	18						
Ozone Resistance									
Ozone Test	192 Hours @ 65°C 100 pphm no cracks	Pass	Pass						
Fluids		0							
Engine Oil	ASTM D471, IRM-902	50 +/-3 °C	15% Max.	1.6%					
Gasoline	ASTM D471 Ref. Fuel C	23 +/-5 °C	15% Max.	<1%					
Brake Fluid	SAE-J-1703	50 +/-5 °C	None	<1%					
Ethanol	85% Ethanol +15% ASTM D471, Ref. Fuel C	23 +/-5 °C	15% Max.	<1%					
Diesel Fuel	ASTM D471, 90% IRM-903 + 10% p-xylene	23+/-5°C	15% Max.	1.8%					
Power Steering	ASTM D471, IRM-903	50 +/-3 °C	30% Max.	1.2%					
Auto Transmission	Citgo #33123 SAE-J311 50 +/-		25% Max.	5.3%					
Methanol	FOOT Fabrulana Observa FOOT disabillad Maters		25% Max.	<1%					
Engine Coolant	50% Ethylene Glyco + 50% distilled Water	50 +/-3 °C	15% Max.	0%					
Battery Acid	H_2SO_4 Specific Gravity = 1.260 +/005	23 +/-5 °C	5% Max.	<1%					

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