

ETFE Insulated Wire

150°C Transit

600 Volt
Medium and Thin Wall

Spec. CFA1109

Scope

These medium thin wall, high temperature transit electronic wires utilize an insulation of modified ethylene tetrafluoroethylene copolymer (ETFE). The insulation resists high PH cleaning fluids, fuels, lubricating oils, and many other chemicals. These

wires can withstand temperature test extremes ranging from cold bend at -65°C through life cycle at 200°C . These wires are a mechanically tough, flame retardant, and weight saving solution to many electronic applications.

Features

- Excellent mechanical properties
- High temperature rating
- Excellent low temperature characteristics
- Excellent resistance to most fluids and chemicals

Performance Standards

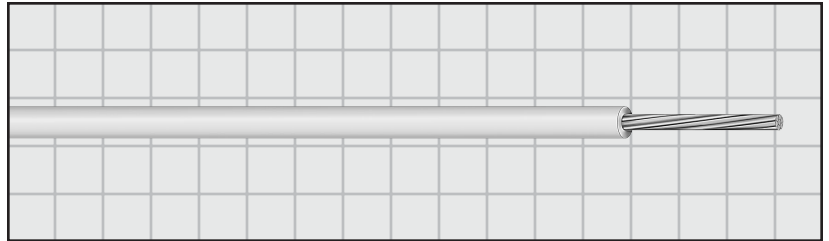
- Meets all requirements of MIL-W-22759/16 and /18
- Temperature rating 150°C
- Low temperature rating -65°C

Construction

- Conductor**
Tin coated copper
- Insulation**
Standard wall, extruded ETFE

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Product Number	Conductor Size		Stranding	Max. Strand Diameter		Nom. Diameter		Max. Weight	
	(AWG)	(mm ²)		(Inch)	(mm)	(Inch)	(mm)	(#/m ³)	(kg/km)
Medium Wall									
TFZM24	24	.24	19/36	.024	.61	.045	1.14	2.57	3.82
TFZM22	22	.38	19/34	.031	.79	.052	1.32	3.68	5.47
TFZM20	20	.62	19/32	.039	.99	.060	1.52	5.36	7.97
TFZM18	18	.96	19/30	.049	1.24	.071	1.80	7.89	11.7
TFZM16	16	1.23	19/29	.055	1.40	.079	2.01	9.95	14.8
TFZM14	14	1.94	19/27	.069	1.75	.093	2.36	14.90	22
TFZM12	12	3.08	37/28	.089	2.26	.114	2.90	22.60	34
TFZM10	10	4.74	37/26	.112	2.84	.139	4.83	35.10	52
TFZM8	8	8.61	133/29	.169	4.29	.199	5.05	63.50	94
Thin Wall									
TFZT26	26	.15	19/38	.020	.51	.032	.81	1.52	2.26
TFZT24	24	.24	19/36	.024	.61	.036	.91	2.12	3.15
TFZT22	22	.38	19/34	.031	.79	.043	1.09	3.16	4.70
TFZT20	20	.62	19/32	.039	.99	.051	1.29	4.76	7.08
TFZT18	18	.96	19/30	.049	1.24	.061	1.55	7.10	10.6
TFZT16	16	1.23	19/29	.055	1.40	.070	1.78	9.14	13.6
TFZT14	14	1.94	19/27	.069	1.75	.085	2.16	14.10	21
TFZT12	12	3.00	37/28	.089	2.26	.107	2.72	21.60	32
TFZT10	10	4.74	37/26	.112	2.84	.134	3.40	34.10	51