

PRODUCT SPECIFICATION 14115 F

TYPE: EPDM Insulated Wire
 150°C Non-Flexing, 125°C Flexing
 UL Listed AWM Styles 3340 or 3374, 600 Volts
 CSA Type CL 1254 125°C 600 Volt

SIZE: 16 AWG to 4/0 AWG – One Conductor

I. SCOPE:

This specification covers the construction requirements for single conductor EPR rubber insulated wire rated for use at 600 Volts and at temperatures up to 150°C.

The construction consists of flexible stranded, tin-coated annealed copper insulated with Ethylene Propylene Rubber (EPR).

This material is suitable for use as motor leads or for the internal wiring of appliances.

II. CONSTRUCTION:

SIZE (AWG or MCM)	STRANDING	INSULATION	
		MIN. AVG. WALL (MILS)	APPROX. DIAMETER (INCHES)
16	26/.010"	45	.155
14	41/.010"		.170
12	65/.010"		.190
10	105/.010"	60	.250
	104/.010"		.250
8	133/.0113"	80	.345
	84/.0142"		.340
Continued			

II. CONSTRUCTION (Cont.):

SIZE (AWG or MCM)	STRANDING	INSULATION		
		MIN. AVG. WALL (MILS)	APPROX. DIAMETER (INCHES)	
6	133/.0142"	80	.385	
	84/.0179"		.385	
4	133/.0179"		.450	
	133/.0177"		.445	
3	133/.0199"		.475	
2	133/.0223"		.510	
	259/.0159"		.500	
	266/.0159"		.515	
1	133/.0251"		95	.585
	259/.0180"			.585
1/0	133/.0282"	.630		
	259/.0202"	.620		
2/0	324/.0201"	.665		
	259/.0227"(7X37)	.660		
	259/.0227"(37X7)	.680		
3/0	448/.0201"	.770		
	259/.0255"	.730		
4/0	551/.0201"	.800		
	266/.0286"	.790		
	259/.0286"(37X7)	.810		

A. CONDUCTORS:

Flexible stranded, tin-coated annealed copper conforming to Underwriters' Laboratories requirements, ASTM B-33, and ASTM B-172 or 173 or 174.

B. SEPARATOR:

A suitable separator is used over the conductor to facilitate stripping.

C. INSULATION:

Black Ethylene Propylene Rubber (EPR) conforming to Underwriters' Laboratories requirements for AWM Style 3340/3374. Other colors are available when specifically requested.

D. TESTS:

Physical and electrical testing in accordance with the requirements of Underwriters' Laboratories for Appliance Wiring Material Style 3340/3374.