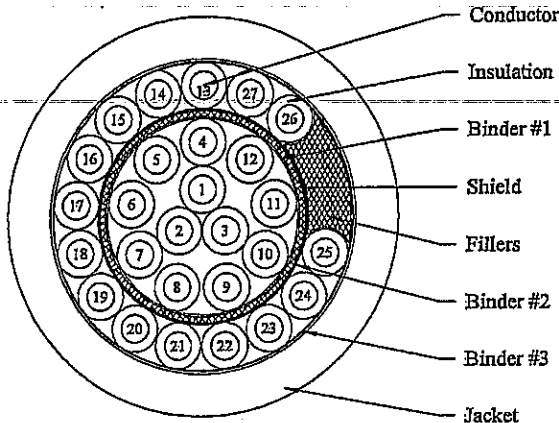


## 27 CONDUCTOR 22 AWG CABLE



### CONSTRUCTION

**Single Component**

**Conductor:** 22 AWG 19/34 Tin Plated Copper, 0.030 Inch Diameter  
**Insulation:** 0.010 Inches of XPbT, 0.050 Inch Diameter

**Final Assembly**

**Core:** 3 Singles (#1-3) Cabled Together  
**Layer 1:** 9 Singles (#4-12) Cabled Around Core  
**Binder #1:** Polyester Tape, 50% Overlap  
**Shield:** 36 AWG Tin Plated Copper Braid, 85% Coverage, Braid Angle 37° Nominal  
**Binder #2:** Polyester Tape, 50% Overlap  
**Layer 2:** 15 Singles (#13-27) and Fibrillated Polypropylene Fillers Cabled Around Layer 1  
**Binder #3:** Paper Tape, 50% Overlap  
**Jacket:** 0.035 Inches of XPbT (Durometer – 82 Shore A Maximum), Color – Oyster Gray  
**Diameter:** 0.425 ± 0.015 Inches  
**Print Legend (Indent Print):** “AWM STYLE 2464 80°C 300V VW-1  
 MADISON CABLE CSA AWM II A/B 80°C 300V FT1 GEMS S/C  
 06578 RoHS COMPLIANT”

### COLOR CODE

Conductor #	Insulation Color	Tracer #1	Tracer #2
1	Black		
2	Brown		
3	Red		
4	Orange		
5	Yellow		

6	Green		
7	Blue		
8	Violet		
9	Gray		
10	White		
11	White	Black	
12	White	Brown	
13	White	Red	
14	White	Orange	
15	White	Yellow	
16	White	Green	
17	White	Blue	
18	White	Violet	
19	White	Gray	
20	White	Black	Brown
21	White	Black	Red
22	White	Black	Orange
23	White	Black	Yellow
24	White	Black	Green
25	White	Black	Blue
26	White	Black	Violet
27	White	Black	Gray

### ELECTRICAL CHARACTERISTICS

**Conductor DC Resistance:** 0.015 Ohms/ft Nominal @ 20°C

### MECHANICAL CHARACTERISTICS

**Flexing and Twist Test:** 100,000 Flexes @ 30 Cycles per Minute  
**Bending Test:** 100,000 Flexes @ 30 Cycles per Minute  
**Flexibility:** 8 In-Lbs Maximum Torque, 3 Feet Length Wound 4 Inch Radius Mandrel

### SAFETY CERTIFICATION

**UL Recognized:** AWM Style 2464 80°C 300 Volts VW-1  
**CSA Certification:** AWM II A/B 80°C 300 Volts FT1



**MADISON Cable**

**tyco**  
Electronics

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**Spec Number:** 101-6029

**Part Number:** 27RGALF001

**Customer:** GE

**Customer #:** 46-177608-P1

### REVISION HISTORY

1	02/09/07	HA	Initial Release
2	07/06/07	KA	Revised Shield, Compound and Print Method

**Prepared By:** K. Arsenault

**Reviewed By:** B. Harvie

A. Fan

Page

1 of 1