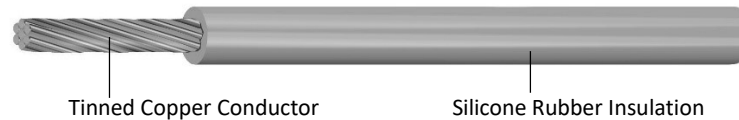


Type: UL Style **3644** Silicone Rubber Insulation 1000V 150°C

C-UL type SEWF-2 1000V 150°C

 Recognition No.: E205197



P/N: 3644-XX-1-0500-OXX-1-TS

Conductor		Insulation		Electrical Character	
Solid Diameter or Stranding Diameter AWG (mm <sup>2</sup> )	Composition No/Diameter of Component Wire (mm)	Insulation Thickness (mm)	Overall Diameter (mm)	Rated Voltage V	Maximum Conductor Resistance Ω/km 20°C
20AWG (0.53mm <sup>2</sup> )	21/0.18 Tinned Strands	0.79	2.5 (±0.15)	1000V	59.4
18AWG (0.85mm <sup>2</sup> )	34/0.18 Tinned Strands	0.79	2.8 (±0.15)	1000V	23.5
16AWG (1.34mm <sup>2</sup> )	26/0.254 Tinned Strands	0.79	3.1 (±0.15)	1000V	14.6
14AWG (2.08mm <sup>2</sup> )	41/0.254 Tinned Strands	0.79	3.6 (±0.20)	1000V	8.96
12AWG (3.31mm <sup>2</sup> )	65/0.254 Tinned Strands	0.80	3.9 (±0.20)	1000V	5.64
10AWG (5.26mm <sup>2</sup> )	105/0.254 Tinned Strands	0.80	5.1 (±0.25)	1000V	3.55
8AWG (8.36mm <sup>2</sup> )	166/0.254 Tinned Strands	1.14	6.7 (±0.25)	1000V	2.23
6AWG (13.3mm <sup>2</sup> )	266/0.254 Tinned Strands	1.52	8.5 (±0.30)	1000V	1.40



1. Scope: Concerning on UL758 the size from 30AWG to 1000kcmil, working voltage 1000V, working temperature 150°C
2. Conductor: Material of Conductor: Tinned Copper  
Composition of conductor for sizes within the UL 758 specified being showed as Table.

3. Insulation Material: Compound Silicone Rubber.

Average thickness of insulation being showed as Table

Minimum thickness of insulation at any point: Omission

4. Surface Printing:

E205197  AWM STYLE 3644 1000V 150°C  AWG VW-1  TYPE SEWF-2 SILICONE RUBBER  
1000V 150°C  AWG FT1 EASSAN

5. Electrical and Physical character

Unaged: Elongation:250%

Tensile Strength: 800psi

After aged: Test specimens being kept in an air oven with 158°C(±1°C) for 60days

Elongation:25% result of unaged test specimen

Tensile Strength: 60% result of the unaged test specimen.

Sparking Test: 8000AC M/0.8 Scend

VW-1 & FT1: Conforming UL758 specification

6. Electrical Voltage Test: 2500V for 1 minute no break down.

7. Packing: 500ft per reel

8. Country of Origin: Taiwan

P/N's & COLORS				
3644-XX-1-0500-001-1-TS BLACK	3644-XX-1-0500-002-1-TS WHITE	3644-XX-1-0500-003-1-TS YELLOW	3644-XX-1-0500-004-1-TS RED	3644-XX-1-0500-005-1-TS BLUE
3644-XX-1-0500-006-1-TS BROWN	3644-XX-1-0500-007-1-TS GREEN	3644-XX-1-0500-008-1-TS ORANGE	3644-XX-1-0500-011-1-TS GREEN + YELLOW	3644-XX-1-0500-012-1-TS GRAY