



P/N: 3239-XX-1-0100-0XX-1-TS (10AWG-14AWG)

3239-XX-1-0500-0XX-1-TS (16AWG-24AWG)

Conductor		Insulation		Electrical Character		
Solid Diameter or Stranding Diameter AWG (mm ²)	Composition No/Diameter of Component Wire (mm)	Insulation Thickness (mm)	Overall Diameter (mm)	Test / Voltage (V/30 min)	Sparking Test 0.8 Sec.	Maximum Conductor Resistance Ω/km 20°C
24AWG (0.22mm ²)	11/0.16 Tinned Strands	0.65	1.90(±0.15)	6000-DC	3000AC	96.5
22AWG (0.33mm ²)	17/0.16 Tinned Strands	0.65	2.05(±0.15)	6000-DC	3000AC	59.4
20AWG (0.53mm ²)	21/0.18 Tinned Strands	0.65	2.25(±0.15)	6000-DC	3000AC	37.4
18AWG (0.84mm ²)	34/0.18 Tinned Strands	0.65	2.5(±0.15)	6000-DC	3000AC	23.5
16AWG (1.32mm ²)	26/0.254 Tinned Strands	0.65	2.8(±0.15)	6000-DC	3000AC	14.6
14AWG (2.1mm ²)	41/0.254 Tinned Strands	0.65	3.3(±0.2)	6000-DC	3000AC	9.15
12AWG (3.39mm ²)	65/0.254 Tinned Strands	0.75	4.0(±0.2)	6000-DC	3000AC	5.75
10AWG (5.3mm ²)	105/0.254 Tinned Strands	0.85	4.8(±0.2)	6000-DC	3000AC	3.55

1. Scope: Concerning on UL758 the size from 24AWG to 10AWG working temperature 150°C
UL authorized 3KV-DC to 30KV-DC, this specification is only for 3KV-DC
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 3239 3KV-DC 150°C ☐☐AWG  TYPE TV-3 SILICONE RUBBER 150°C ☐☐AWG
VW-1 FT1 EASSAN
5. Electrical and Physical character:
 - Unaged: Elongation:250%
Tensile Strength: 1200lbf/in²
 - 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: 3KV AC/0.8 Second
 - Resistant to: Oil, extremes of hot & cold, flexing, high Voltage spikes
 - Flame Test: VW-1 & FT1 : Conforming to UL758 method to test
6. Electronical Voltage Test: 3 KV DC test / 1 minutes, no break down.
7. Dielectric Voltage-withstand test of insulation: 7000 VDC/min
8. Environmental Approvals: Conforms all RoHS directives as laid out in (RoHS) Directive 2011/65/EU, 2015/863/EU Annex II, without Exemption.
9. Packing: 10AWG-14AWG 100ft/reel, 16AWG-24AWG 500ft/reel
10. Country of origin: Taiwan

P/N's & COLORS				
3239-XX-1-0X00-001-1-TS BLACK	3239-XX-1-0X00-002-1-TS WHITE	3239-XX-1-0X00-003-1-TS YELLOW	3239-XX-1-0X00-004-1-TS RED	3239-XX-1-0X00-005-1-TS BLUE
3239-XX-1-0X00-006-1-TS BROWN	3239-XX-1-0X00-007-1-TS GREEN	3239-XX-1-0X00-008-1-TS ORANGE	3239-XX-1-0X00-011-1-TS GREEN + YELLOW	