

UL Style 1007 Hook-UP Wire (Stranded conductor)

PVC insulated / 80°C 300V

UL Recognized: E209277



P/N: 1007-XX-1-2000-OXX-1-TS

Conductor		Insulation		Electrical Character		
Stranded Diameter AWG (mm ²)	Composition No/Diameter of Component Wire (mm)	Insulation Thickness (mm)	Overall Diameter (mm)	Mini Insulation Resistance at 20°C (Ω/kft)	Sparking Test 1 Sec.	Maximum Conductor Resistance Ω/kft 20°C
26AWG (0.12mm ²)	7/0.16 Stranded	0.41	1.2(±0.10)	DC 500V >10MΩ-km	1000VAC	43.53
24AWG (0.22mm ²)	11/0.16 Stranded	0.41	1.4(±0.10)	DC 500V >10MΩ-km	1000VAC	27.25
22AWG (0.33mm ²)	17/0.16 Stranded	0.41	1.6(±0.10)	DC 500V >10MΩ-km	1000VAC	16.50
20AWG (0.53mm ²)	21/0.18 Stranded	0.41	1.9(±0.10)	DC 500V >10MΩ-km	1000VAC	10.30
18AWG (0.84mm ²)	34/0.18 Stranded	0.41	2.1(±0.10)	DC 500V >10MΩ-km	1000VAC	6.52
16AWG (1.25mm ²)	26/0.254 Stranded	0.41	2.3(±0.10)	DC 500V >10MΩ-km	1000VAC	4.10

1. Scope: Concerning on UL758 the size from 16AWG to 32AWG working temperature 300V 80°C
2. Conductor: Bare or tinned stranded or solid copper, 32AWG-16AWG
3. Insulation Material: Extruded PVC
4. Reference strand: UL758/1581
5. Surface Printing:

 AWM STYLE 1007 E209277 80°C 300V AWG CSA TYPE AWM IA LL206504 FT1 80°C 300V
 AWG 3A LF

6. Electrical and Physical character

Unaged: Elongation:100%

Tensile Strength: 1500lbf/in²

After aged: Test specimens being kept in an air oven with 113°C(±1°C) for 168 hours

Elongation:65% result of unaged test specimen

Tensile Strength: 70% result of the unaged test specimen.

Flame Test: FT1 : Conforming to UL758 method to test

7. Dielectric Withstand Voltage Test: 2000Vac for 1 minute No Breakdown

8. Packing: 2000ft per reel, Tolerance -1%

9. Country of Origin: Taiwan

P/N's & COLORS				
1007-XX-1-2000-001-1-TS BLACK	1007-XX-1-2000-002-1-TS WHITE	1007-XX-1-2000-003-1-TS YELLOW	1007-XX-1-2000-004-1-TS RED	1007-XX-1-2000-005-1-TS BLUE
1007-XX-1-2000-006-1-TS BROWN	1007-XX-1-2000-007-1-TS GREEN	1007-XX-1-2000-008-1-TS ORANGE	1007-XX-1-2000-011-1-TS GREEN + YELLOW	