

UL Style 1015 Hook-UP Wire (Stranded conductor)

PVC insulated / 105°C 600V

UL Recognized: E209277




P/N: 1015-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	0.8	2.0(±0.10)	DC 500V >10MΩ-km	1500AC	43.53
24AWG (0.22mm ²)	11/0.16 Stranded	0.8	2.1(±0.10)	DC 500V >10MΩ-km	1500AC	27.25
22AWG (0.33mm ²)	17/0.16 Stranded	0.8	2.4(±0.10)	DC 500V >10MΩ-km	1500AC	16.50
20AWG (0.53mm ²)	21/0.18 Stranded	0.8	2.5(±0.10)	DC 500V >10MΩ-km	1500AC	10.30
18AWG (0.84mm ²)	34/0.18 Stranded	0.8	2.7(±0.10)	DC 500V >10MΩ-km	1500AC	6.52
16AWG (1.25mm ²)	26/0.254 Stranded	0.8	3.1(±0.10)	DC 500V >10MΩ-km	1500AC	4.10
14AWG (2.1mm ²)	41/0.254 Stranded	0.8	3.5(±0.10)	DC 500V >10MΩ-km	1500AC	2.57
12AWG (3.3mm ²)	65/0.254 Stranded	0.8	4.0(±0.1)	DC 500V >10MΩ-km	1500AC	1.62
10AWG (5.3mm ²)	105/0.254 Stranded	0.8	5.0(±0.1)	DC 500V >10MΩ-km	1500AC	1.02

1. Scope: Concerning on UL758 the size from 30AWG to 2000kcmil working temperature 600V 105°C
2. Conductor: Bare or tinned, stranded or solid copper, 30AWG-2000kcmil
3. Insulation Material: Extruded PVC

4. Reference strand: UL758/1581

5. Surface Printing:

 AWM STYLE 1015 E209277 105°C 600V AWG CSA TYPE AWM IA LL206504 FT1 105°C
600V 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 136°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: 3000V for 1 minute No Breakdown

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

9. Country of Origin: Taiwan

P/N's & COLORS				
1015-XX-1-2000-001-1-TS BLACK	1015-XX-1-2000-002-1-TS WHITE	1015-XX-1-2000-003-1-TS YELLOW	1015-XX-1-2000-004-1-TS RED	1015-XX-1-2000-005-1-TS BLUE
1015-XX-1-2000-006-1-TS BROWN	1015-XX-1-2000-007-1-TS GREEN	1015-XX-1-2000-008-1-TS ORANGE	1015-XX-1-2000-011-1-TS GREEN + YELLOW	