CnC Tech

UL Style 10982 Hook Up Wire (Solid conductor)

UL Recognized: E209277

mPPE-PE Insulated / 80°C 300V



P/N: 10982-XX-1-2000-0XX-1-TD

Conductor		Insulation		Electrical Character		
Solid Diameter AWG (mm²)	Composition No/Diameter of Component Wire (mm)	Insulation Thickness (mm)	Overall Diameter (mm)	Current Capacity at 30°C AMP	Sparking Test 1 Sec.	Maximum Conductor Resistance Ω/km
30AWG (0.05mm²)	1/0.254 Solid	0.38	1.05(±0.10)	3A	1000VAC	361.00
28AWG (0.08mm²)	1/0.320 Solid	0.38	1.10(±0.10)	4A	1000VAC	227.00
26AWG (0.12mm²)	1/0.404 Solid	0.38	1.20(±0.10)	5A	1000VAC	143.00
24AWG (0.22mm²)	1/0.511 Solid	0.38	1.30(±0.10)	7A	1000VAC	89.30
22AWG (0.33mm²)	1/0.643 Solid	0.38	1.40(±0.10)	9A	1000VAC	56.40
20AWG (0.53mm²)	1/0.813 Solid	0.38	1.60(±0.10)	12A	1000VAC	35.20
18AWG (0.84mm²)	1/1.02 Solid	0.38	1.80(±0.10)	17A	1000VAC	22.20
16AWG (1.3mm²)	1/1.29 Solid	0.38	2.10(±0.10)	22A	1000VAC	14.00

1. Solid tinned copper conductor, 30-16AWG
2. Rated temperature: 80°C; Rated voltage: 300Volts
3. Material of Conductor: Solid tinned Copper

4. Insulation Material: mPPE-PE
5. Surface Printing:
   E209277 AWM STYLE 10982 80°C 300V □□AWG 3A AWM IA 80°C 300V FT2 □□AWG 3A LF
6. Electrical and Physical character

Unaged:	Elongation:125%
	Tensile Strength: 2000lbf/in^2
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: 80% result of the unaged test specimen.
Flame Test:	FT2: Conforming to UL758 method to test

7. Dielectric Withstand Voltage Test: 2000V for 1 minute No Breakdown
8. Applications: Suitable for internal wires of electronic and electrical equipment
9. Packing: 2000ft per reel, Tolerance -1%
10. Country of Origin: Taiwan

P/N's & COLORS				
10982-XX-1-2000-001-1-TD BLACK	10982-XX-1-2000-002-1-TD WHITE	10982-XX-1-2000-003-1-TD YELLOW	10982-XX-1-2000-004-1-TD RED	10982-XX-1-2000-005-1-TD BLUE
10982-XX-1-2000-006-1-TD BROWN	10982-XX-1-2000-007-1-TD GREEN	10982-XX-1-2000-008-1-TD ORANGE	10982-XX-1-2000-011-1-TD GREEN + YELLOW	