



300V Hook Up Wire



Construction

Conductor: Plain annealed copper Class 5/Tinned Annealed Copper

Insulation: PVC, XLPE, FEP, PTFE

Color: Black, Red, Blue, Yellow, Green

Applications

Designed for the internal wiring of electronic and electrical equipment where oil and heat resistance are required. Commonly used in control panels, meters, computers, business machines, and appliances. The tinned copper conductor ensures superior solderability and corrosion resistance, while the uniform insulation thickness guarantees easy stripping and cutting in automated harness assembly lines.

Standards

UL Style: UL 1007 / UL 1569 (Dual Rated via UL 758).

CSA Standard: CSA TR-64 or AWM I A/B.

Flammability: UL VW-1 & CSA FT1 (Vertical Flame Test).

Environmental: RoHS Directive 2011/65/EU & REACH Compliant.

Conductor Standard: ASTM B3 / ASTM B33.



Specification

Nominal Voltage	300v
Test Voltage	3000V AC/5 Min
Temperature Range	Min -40°C to Max 260°C
Min. Bending Radius	4 x overall diameter

Technical Data

AWG Size	Conductor Construction (No./mm)*	Conductor Stranded Dia. (mm)	Insulation Thickness (Nom. mm)	Overall Diameter (mm)	Max. Conductor Resistance at 20 °C (/km)	Current Rating (Amps)
28 AWG	7/0.127	0.38	0.41	1.20 ± 0.10	239	2.5
26 AWG	7/0.16	0.48	0.41	1.30 ± 0.10	150	4
24 AWG	11/0.16	0.61	0.41	1.45 ± 0.10	94.2	6
22 AWG	17/0.16	0.76	0.41	1.60 ± 0.10	59.4	8
20 AWG	21/0.18	0.95	0.41	1.80 ± 0.10	36.7	10.5
18 AWG	34/0.18	1.2	0.41	2.10 ± 0.10	23.2	15
16 AWG	26/0.254	1.5	0.41	2.40 ± 0.15	14.6	21