

1. CONDUCTOR

Material: TOP Coated Copper
Construction: 24 AWG 7/32
Diameter: 0.0245" nom

2. INSULATION

Material: Irradiated Polyethylene
Wall thickness:
Minimum: 0.008"
Nominal: 0.0105"
Diameter: 0.0455"
Color: Customer Specified
Marking: RU AWM 3265 125C 150V VW-1 JUDD
WIRE CSA AWM I A/B 125C 150V FT1 24 AWG
ROHS

3. PHYSICAL CHARACTERISTICS

Temperature rating: 125°C
Voltage rating: 150V
Weight: 2.2 lbs per 1000', nom

4. PERFORMANCE PROPERTIES

Mechanical

Tensile – UL 1581
Unaged 2000 psi, min
Aged (168 hrs @ 158°C) 80% retention, min
Elongation – UL 1581
Unaged 300%, min
Aged (168 hrs @ 158°C) 80% retention, min
Deformation – UL 758
1 hr @ 121°C, 250g 50% thickness decrease, max
Crush Resistance – UL 758 600 lb, min
Slow Compression – CSA C22.2 No. 210
1 hr @ 23°C 247.29 lb, min

Electrical

Dielectric Withstand I – UL 758
Unaged 60 sec, 60 Hz, 1500 V
Aged (168 hrs @ 158°C)
Greater than 50% of average unaged breakdown voltage
Dielectric Withstand II – UL 758
Unaged 60 sec, 60 Hz, 1500 V
Aged (168 hrs @ 158°C) 60 sec, 60 Hz, 1500 V
Dielectric Withstand III – UL 758
Conditioned 24 hrs in water 60 sec, 60 Hz, 1500 V
Dielectric Strength – CSA C22.2 No. 210
Post Cold Bend (Conditioned 1 hr in water) 750 V_{ac}
Post Heat Shock (Conditioned 1 hr in water) 750 V_{ac}

PERFORMANCE PROPERTIES (cont'd)

Spark Test – UL 758 1500 V_{ac}
Thermal
Cold Bend – CSA C22.2 No. 210
4 hrs @ -15°C
No Cracks, Pass CSA Dielectric Strength
Heat Shock – CSA C22.2 No. 210
1 hr @ 158°C
No Cracks, Pass CSA Dielectric Strength
Flame
VW-1 (UL 758) 60 sec burn, max
FT-1 (CSA C22.2 No. 210) 60 sec burn, max
Environmental
Directive 2002/95/EC (RoHS) Complies

5. REFERENCE SPECIFICATIONS

UL Standard 758, AWM Style 3265
UL Standard 758
UL Standard 1581
CSA C22.2 No. 210
The European Parliament and the Council of the European Union Directive 2002/95/EC



JUDD WIRE INC.
124 Turnpike Road
Turners Falls, MA 01376
(413) 863-4357

Date	Rev	By	Appr'd	ECN
03/20/17	--	CJS	GT	---
Customer Approval:				

Description: HOOKUP, 24 AWG 7/32 TOP, XLPE, 3265, 125C	
Specification Number: H0578052	Page: 1 of 1