

**1. CONDUCTOR**

Material: Tin Plated Copper  
Construction: 22 AWG 7/.25  
Diameter: 0.76 mm, nom

**2. INSULATION**

Material: Crosslinked Polyvinyl Chloride  
Wall thickness: 0.28 mm, nom  
Diameter: 1.32 mm ± 0.10  
Color: JASO Color Standard

**3. PHYSICAL CHARACTERISTICS**

Temperature rating: 105 °C  
Voltage Rating: 60V  
Weight: 4.48 kg/km, nom

**4. PERFORMANCE PROPERTIES**

Mechanical

Tensile Strength (JIS C 3005) 15.7 Mpa, min  
Elongation (JIS C 3005) 125%, min  
Crosslinking Degree (JASO D 608) 40%, min  
Abrasion Resistance (JASO D 608)  
7 N Load, 0.45 mm Blade 300 Cycles, min

Electrical – JASO D 608

Dielectric Strength 1000V, 60 Hz, 60 Sec  
Spark Test 5000V<sub>ac</sub>  
Conductor  
DC Resistance 54.8 mΩ/m, max

Thermal – JASO D 608


Heat Resistance I (168 hrs @ 120°C)  
1000V, 60 Sec, No Cracks  
Heat Resistance II (30 min @ 200°C)  
No Cracks, No Melt  
Flame Resistance 15 Sec Burn, max  
Low Temperature Resistance (3 hrs @ -45°C)  
1000V, 60 Sec, No Cracks  
Thermal Shrinkage (15 min @ 150°C) 4 %, max

Chemical – JASO D 608

Oil Resistance (20 hrs @ 50°C)  
1000V, 60 Sec, No Cracks

**5. REFERENCE SPECIFICATION**

JASO D 608  
JIS C 3005  
JIS C 3152

 <b>JUDD WIRE INC.</b> 124 Turnpike Road Turners Falls, MA 01376 (413) 863-4357	Date	Rev	By	Appr'd	ECN	Description: <b>HOOKUP, TPC, XLPVC</b> <b>105 °C, 60V</b>	Page: 1 of 1
	10/20/07	--	ARJP	GBM	--		
	07/24/08	D	ARJP	EJK	08-412		
	09/09/09	E	RTB	EJK	09-917	Specification Number: <b>JW1171-07</b>	
Customer Approval:							