

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_{ac}
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

 JUDD WIRE INC. 124 Turnpike Road Turners Falls, MA 01376 (413) 863-4357	Date	Rev	By	Appr'd	ECN	Description: HOOKUP, TPC, XLPVC 105 °C, 60V	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: JW1171-07	
Customer Approval:							