

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

F. Lioran OK For Gray Wire Sample

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
Continental 40 365 445



JUDD WIRE INC.
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Date	Rev	By	Appr'd	ECN
10/20/07	--	ARJP	GBM	--
09/09/09	E	RTB	EJK	09-917
11/03/09	F	KP	EJK	09-644
Customer Approval:				

Description:
**HOOKUP, TPC, XLPVC
105°C, 60V**

Specification Number:
JW1171-07

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