

1. CONDUCTORS

Material: Silver Plated Copper
Construction: 26 AWG Solid
Diameter: 0.016" nom.

2. TRACER

Material: Tin Plated Copper
Construction: 22 AWG 7/30
Diameter: 0.03" nom.

3. INSULATION

Material: FMPE
Wall thickness: 0.03" nom.
Diameter: 0.076" nom.

4. TAPE SHIELDS

Material: Al/Polyester
Application: Longitudinal

5. BRAID SHIELDS

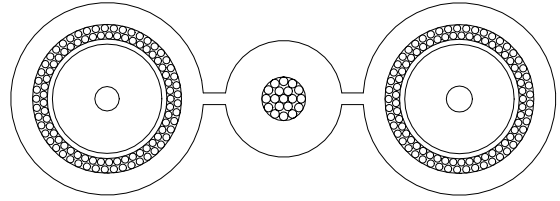
Material: 38 AWG Bare Copper
Coverage: 90% min.
Diameter: 0.102" nom.

6. JACKET

Material: FRPVC
Diameter Over Coax: 0.139" min.
Diameter Over Tracer: 0.090" min.
Nom Thickness: 0.014" nom.
Color: Grey
Marking: JUDD WIRE 735 COAXIAL CABLE
SILVER PLATED COPPER 26 AWG 2/C W/22
AWG TRACER (UL) CMR {DD/MM/YYYY}
{SEQ.FOOTAGE} FT.

7. PHYSICAL CHARACTERISTICS

Temperature rating: -40 to +60°C.
Voltage Rating: 300V
Weight: 28.5 lbs per 1000' nom.



8. PERFORMANCE PROPERTIES

Electrical

Impedance: 75 +/- 3 Ohms
Capacitance: 18 pf/FT max.
Velocity of Propagation: 75% nom.
Conductor DCR: 45 Ohms/K' max.
Return Loss, 15 to 95 MHz: 30 dB min.
Attenuation: see Table 1

9. REFERENCED SPECIFICATIONS

UL444, TYPE CMR, 8/02/02

Table 1: Nominal Attenuation at 20°C

Frequency (MHz)	Attenuation (dB/100 ft)
1	0.5
5	1.1
10	1.5
22.5	2.2
50	3.3
100	4.8
150	5.8
200	7.1



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Date	Rev	By	Appr'd	ECN
04/5/05	C	KP	CP	---
04/17/09	D	EJM	GT	09-561
Customer Approval:				

Description: 2 TYPE 735 COAX WITH TRACER	
Specification Number: P1403001	Page: 1 of 1