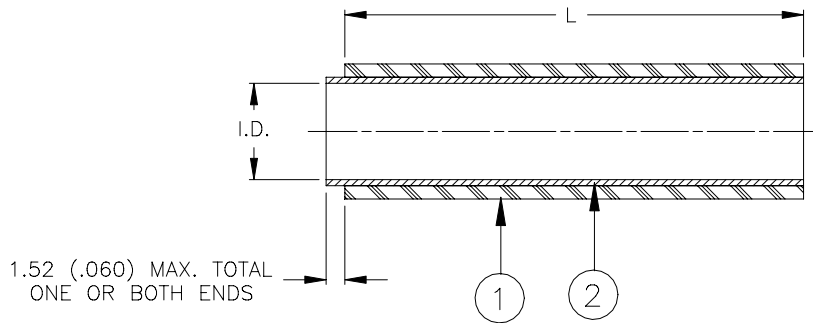


SPECIFICATION CONTROL DRAWING



Product Name	Product Revision	I.D.		² L ±0.76 (±0.030)
		As received (min)	¹ After free recovery (max)	
D-438-06	E	3.18 (0.125)	1.40 (0.055)	12.70 (0.500)
D-438-07	F	4.75 (.0187)	2.16 (0.085)	12.70 (0.500)
D-438-08	E	7.37 (0.290)	3.56 (0.140)	25.40 (1.000)

¹ Diameter is for heat-shrinkable tubing only, adhesive liner has a very low melt viscosity and may flow out of sleeve when free recovered at 200°C for 5 minutes.

² Length is for heat-shrinkable tubing only.

MATERIALS

1. INSULATION SLEEVE: Heat-shrinkable, transparent blue, radiation cross-linked modified polyvinylidene fluoride.
2. Thermoplastic Adhesive Liner

APPLICATION

1. These parts are designed to be used as inter-terminal dielectric barriers.

2. Requirements:

- Tensile Strength: Outer wall - 5000 psi min. per ASTM D-638
Inner wall - 400 psi min. per ASTM D1248-60-T
- Specific Gravity: Outer wall - 1.8 max. per ASTM D792.
Inner wall - 0.96 per ASTM D792-64-T
- Ultimate Elongation: Outer wall - 150% min. per ASTM D-638
Inner wall - 150% min. per ASTM D1248-60-T
- Dielectric Withstanding Voltage: 800 volts/mil min. per ASTM D876
- Volume Resistivity: 10^{13} ohm-cm min. per ASTM D257
- Temperature Range: -55°C to 125°C
- Recovery Temperature: 175°C
- Fungus Resistance: inert per MIL-I-7444
- Water Absorption: 0.5% max. and self-extinguishing
- Corrosive Effect: Non-corrosive
- Heat Aging: Outer Wall – no cracking (168 hrs at 250°C)
- Longitudinal Shrinkage: 10% max. after heating

tyco Electronics		Raychem Products 305 Constitution Drive Menlo Park, CA 94025, USA		TITLE : DIELECTRIC BARRIER SLEEVE			
Unless otherwise specified dimensions are in millimeters. Inches dimensions are in between brackets.				DOCUMENT NO.: D-438-06/-08			
TOLERANCES: 0.00 N/A 0.0 N/A 0 N/A	ANGLES: N/A ROUGHNESS IN MICRON	Tyco Electronics reserves the right to amend this drawing at any time. Users should evaluate the suitability of the product for their application.		DCR NUMBER: D020229		REPLACES: N/A	
DRAWN BY: mforonda		DATE: 14-Jun-02	PROD. REV. SEE TABLE	DOC ISSUE: 1	SCALE: None	SIZE: A	SHEET: 1 of 1

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