

# SPECIFICATION CONTROL DRAWING

62A6002

TITLE CABLE, ELECTRIC, TIN-COATED COPPER STRAND WIRE, MODIFIED POLYESTER INSULATED

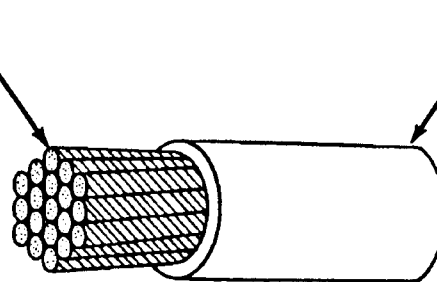
Date 1-14-98

Revision C

This specification sheet forms a part of the latest issue of Raychem Specification 62.

STRANDED WIRE - TIN-COATED COPPER

INSULATION - MODIFIED POLYESTER



CONSTRUCTION DETAILS						
PART NUMBER	STRANDED WIRE				FINISHED CABLE	
	SIZE (AWG)	STRANDING (number x AWG)	MAXIMUM DIAMETER (in.)	MAXIMUM RESISTANCE AT 20°C (ohms/1000 ft.)	DIAMETER (in.)	NOMINAL WEIGHT (lbs/1000 ft.)
62A6002-22-*	22	154 x 44	.033	18.8	.047 ± .002	2.8

## CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE INDEX: 3000 hours (minimum) at 150°C  
 VOLTAGE RATING: 600 volts (rms)  
 CONCENTRICITY: 70% (minimum)  
 FLAMMABILITY: 70 seconds (maximum) afterburn  
 INSULATION ELONGATION AND TENSILE STRENGTH:  
 Elongation, 250% (minimum)  
 Tensile Strength, 4000 lbf/in<sup>2</sup> (minimum)  
 INSULATION CONTINUITY PROOF TEST:  
 Impulse Dielectric Test, 8.0 kV (peak)

INSULATION THICKNESS: .008 inch (nominal)  
 SHRINKAGE: .050 inch (maximum)  
 THERMAL STABILITY: 165°C for 168 hours, 80% (minimum) retention of Tensile Strength, 50% (minimum) retention of Elongation

PART NUMBER:  
 The "\*" in the part number shall be replaced by a color code designator per Spec. 62.  
 Example: White insulation: 62A6002-22-9

COLORS SHALL BE IN ACCORDANCE WITH SAE J1128

DIMENSIONS ARE IN INCHES, AND UNLESS OTHERWISE DESIGNATED ARE NOMINAL.

**Raychem**

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