

# SPECIFICATION CONTROL DRAWING

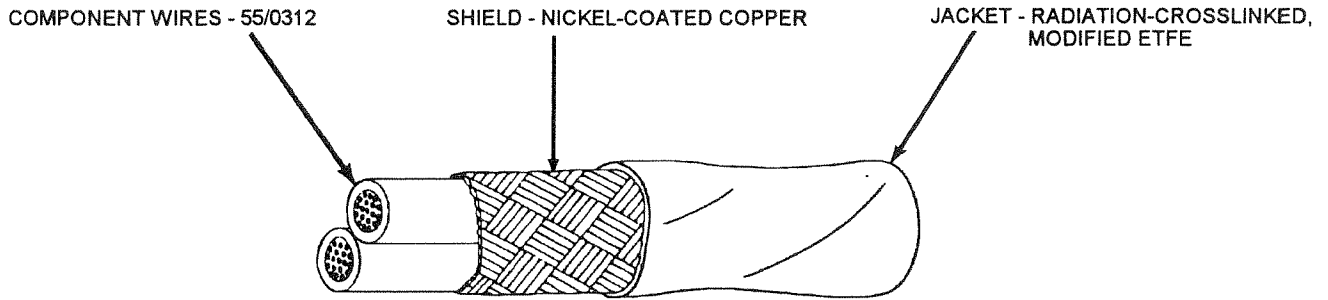
**55/7312**

**TITLE** TWO CONDUCTOR CABLE, SHIELDED, JACKETED,  
OUTER SPACE, 600 VOLTS

**Date** 5-23-96

**Revision** A

This specification sheet forms a part of the latest issue of Raychem Specification 55/.



CABLE CONSTRUCTION DETAILS							
PART NUMBER	CONDUCTOR SIZE (AWG)	SHIELD SIZE (AWG)	JACKET THICKNESS (inch)		OUTSIDE DIAMETER (inch)		MAXIMUM WEIGHT (lbs/1000 ft)
			MINIMUM	NOMINAL	NOMINAL	MAXIMUM	
55/7312-20-*	20	38	.0045	.0055	.127	.133	15.70
55/7312-16-*	16	38	.0045	.0055	.161	.169	26.10

### CABLE RATINGS AND ADDITIONAL REQUIREMENTS

**TEMPERATURE RATING: 200°C**  
 Maximum continuous conductor temperature  
**VOLTAGE RATING: 600 volts (rms) at sea level**  
**CROSSLINK VERIFICATION: 300 ± 3°C for 1 hour**  
**DIELECTRIC WITHSTAND: 1500 volts (rms), 60 Hz**  
**JACKET COLOR: White preferred**  
**JACKET ELONGATION: 75% (minimum)**  
**JACKET FLAWS:**  
 Spark Test, 1000 volts (rms), 60 Hz, 100% test  
 Impulse Dielectric Test, 6.0 kV (peak), 100% test

**SHIELD COVERAGE: 90% (minimum)**  
**VOLTAGE WITHSTAND TEST (POST ENVIRONMENTAL):**  
 1500 volts (rms), 60 Hz, 1 minute

**PART NUMBER:**  
 The "\*" in the part numbers above shall be replaced by a color code designator with a dash separating the component wire color from the jacket color.  
 Example: AWG 20, white and white with blue stripe component wires; white jacket:  
 55/7312-20-9/96-9

**NOTE: Nominal values are for information only.**  
 Nominal values are not requirements.

COLORS AND COLOR CODE DESIGNATORS SHALL BE IN ACCORDANCE WITH MIL-STD-681.

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

