

# SPECIFICATION CONTROL DRAWING

55/7275

TITLE

TWO CONDUCTOR CABLE, SHIELDED, JACKETED,  
LIGHTWEIGHT, OUTERSPACE

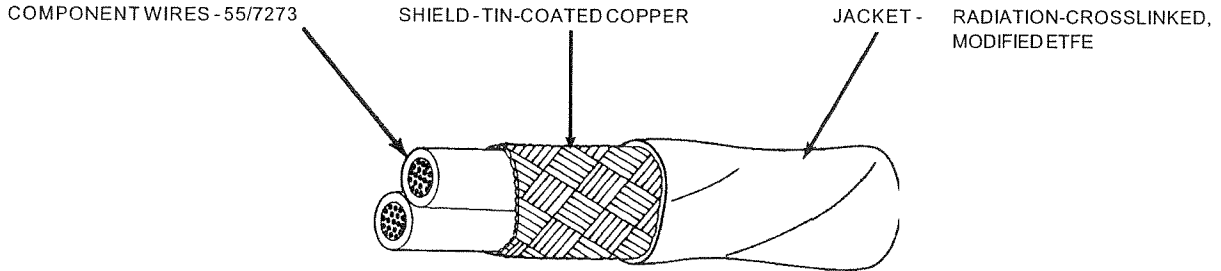
Date

11-09-01

Revision

B

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 (inches)		OUTSIDE DIAMETER (inches)		MAXIMUM WEIGHT (lb/1000 ft)
			MINIMUM	NOMINAL	NOMINAL	MAXIMUM	
55/7275-30-*	30	38	.006	.008	.081	.086	5.5
55/7275-28-*	28	38	.006	.008	.087	.092	6.4
55/7275-26-*	26	38	.006	.008	.097	.102	7.9
55/7275-24-*	24	38	.006	.008	.107	.112	9.8

## CABLE RATINGS AND ADDITIONAL REQUIREMENTS

**TEMPERATURE RATING:** 150°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), 100% test  
 Impulse Dielectric Test, 6.0 kV (peak), 100% test

**VOLTAGE WITHSTAND TEST (POST ENVIRONMENTAL):**

1500 volts (rms), 60 Hz, 1 minute

**PART NUMBER:**

The "\*" in the part numbers above shall be replaced by color code designators with a slash separating the component wire colors and a dash separating the component wire colors from the jacket color.  
 Example: AWG 30, white and black component wires; white jacket: 55/7275-30-9/0-9

**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.

**Raychem**