

# SPECIFICATION CONTROL DRAWING

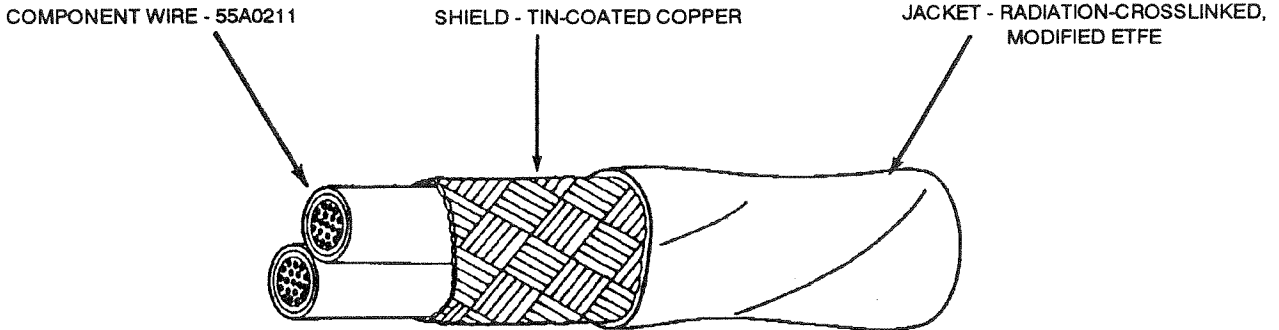
55A1221

TITLE TWO CONDUCTOR CABLE, RADIATION-CROSSLINKED, EXTRUDED, MODIFIED, FLUOROPOLYMER-INSULATED, SHIELDED, JACKETED, MEDIUM WEIGHT, 600 VOLT

Date 7-29-91

Revision A

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



### 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	
55A1221-26-*	26	38	.006	.008	.101	.106	8.4
55A1221-24-*	24	38	.006	.008	.111	.117	10.3
55A1221-22-*	22	38	.006	.008	.123	.129	12.9
55A1221-20-*	20	38	.006	.008	.139	.146	17.2
55A1221-18-*	18	38	.006	.008	.159	.167	22.9
55A1221-16-*	16	38	.006	.008	.175	.184	27.8
55A1221-14-*	14	38	.006	.008	.209	.219	39.6
55A1221-12-*	12	38	.007	.009	.247	.259	56.5
55A1221-10-*	10	38	.007	.009	.297	.312	83.9

### CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 150°C  
 Maximum continuous conductor temperature  
 VOLTAGE RATING: 600 volts (rms)  
 ACCELERATED AGING: 300 ± 3°C for 7 hours  
 BLOCKING: 200 ± 3°C for 6 hours  
 DIELECTRIC WITHSTAND: 1500 volts (rms), 60 Hz  
 FLAMMABILITY:  
 Procedure 1, 3 seconds (maximum); 3 in. (maximum);  
 no flaming of facial tissue  
 JACKET COLOR: White preferred  
 JACKET ELONGATION AND TENSILE STRENGTH:  
 Elongation, 50% (minimum)  
 Tensile Strength, 5000 lbf/in<sup>2</sup> (minimum)  
 JACKET FLAWS:  
 Spark Test, 1000 volts (rms), 60 Hz, 100% test  
 Impulse Dielectric Test, 6.0 kV (peak), 100% test

LIFE CYCLE: 200 ± 3°C for 168 hours  
 LOW TEMPERATURE-COLD BEND: -65 ± 3°C for 4 hours  
 SHIELD COVERAGE: 85% (minimum)  
 VOLTAGE WITHSTAND TEST: (After Accelerated Aging, Immersion, Life Cycle and Low Temperature-Cold Bend)  
 1000 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 20, red and orange component wires; white jacket: 55A1221-20-2/3-9

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

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