

# SPECIFICATION CONTROL DRAWING

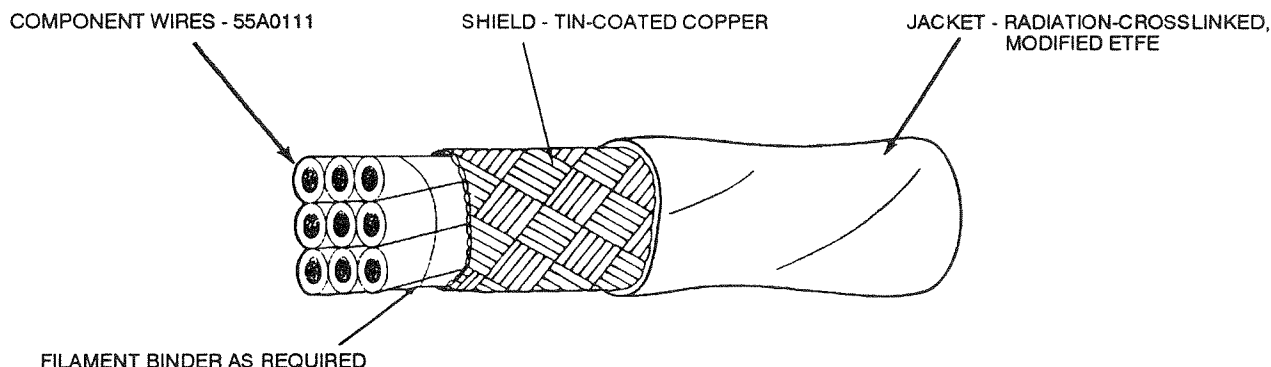
55A1191

TITLE NINE CONDUCTOR CABLE, EXTRUDED, MODIFIED, ETFE-INSULATED, SHIELDED, JACKETED, LIGHTWEIGHT, 600 VOLT

Date 7-6-92

Revision B

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 (lbs/1000 ft)
			MINIMUM	NOMINAL	NOMINAL	MAXIMUM	
55A1191-30-*	30	38	.006	.008	.128	.135	14.3
55A1191-28-*	28	38	.006	.008	.140	.147	17.5
55A1191-26-*	26	38	.006	.008	.160	.168	23.4
55A1191-24-*	24	38	.006	.008	.180	.188	30.3
55A1191-22-*	22	38	.006	.008	.204	.213	40.1
55A1191-20-*	20	38	.007	.009	.238	.247	57.4
55A1191-18-*	18	38	.007	.009	.278	.289	82.3
55A1191-16-*	16	38	.007	.009	.310	.326	101.
55A1191-14-*	14	36	.008	.010	.384	.403	154.
55A1191-12-*	12	36	.008	.010	.407	.476	216.

### 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 (POST ENVIRONMENTAL):  
 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 24, black, red, orange, yellow, green, blue, violet, gray and white component wires; white jacket: 55A1191-24-0/2/3/4/5/6/7/8/9-9

\* Qualification Test

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

THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.

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