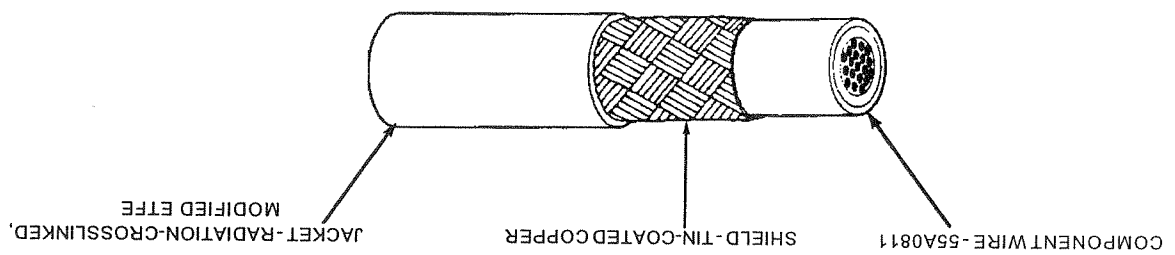


# SPECIFICATION CONTROL DRAWING

TITLE ONE CONDUCTOR CABLE, RADIATION-CROSSLINKED, MODIFIED ETFE INSULATED, SHIELDED, JACKETED, NORMAL WEIGHT, 600 VOLT

Date 09-20-01 Revision F

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		
55A1811-30*	30	38	.006	.008	.065	.070	4.0
55A1811-28*	28	38	.006	.008	.068	.073	4.5
55A1811-26*	26	38	.006	.008	.073	.078	5.3
55A1811-24*	24	38	.006	.008	.078	.083	6.3
55A1811-22*	22	38	.006	.008	.084	.089	7.9
55A1811-20*	20	38	.006	.008	.092	.097	10.0
55A1811-18*	18	38	.006	.008	.103	.109	13.3
55A1811-16*	16	38	.006	.008	.111	.117	16.0
55A1811-14*	14	38	.006	.008	.128	.134	22.2
55A1811-12*	12	38	.006	.008	.145	.151	30.3
55A1811-10*	10	38	.006	.008	.168	.176	45.0
55A1811-8*	8	38	.007	.009	.229	.250	76.6
55A1811-6*	6	38	.007	.009	.275	.286	115.
55A1811-4*	4	36	.008	.010	.350	.368	181.
55A1811-2*	2	34	.009	.011	.456	.479	297.
55A1811-1*	1	34	.009	.011	.518	.544	380.
55A1811-0*	0	34	.010	.012	.560	.588	444.
55A1811-00*	00	34	.010	.012	.620	.651	568.
55A1811-000*	000	34	.012	.014	.664	.697	672.

### 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), 100% test  
 Impulse Dielectric Test, 6.0 kV (peak), 100% test

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

LIFE CYCLE: 200 ± 3°C for 168 hours  
 LOW TEMPERATURE-COLD BEND: -65 ± 2°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  
 a color code designator with a dash separating the  
 component wire color from the jacket color.  
 Example: AWG 20, white component wire; white jacket;  
 55A1811-20-9-9



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