

# SPECIFICATION CONTROL DRAWING

**55A6259**

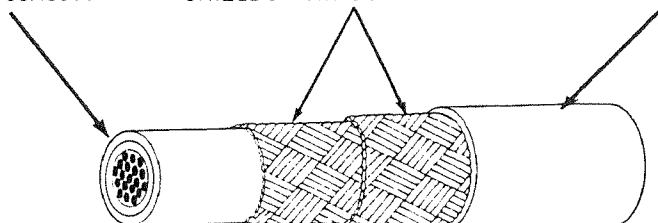
**TITLE** ONE CONDUCTOR CABLE, DOUBLE SHIELDED, JACKETED, NORMAL WEIGHT

**Date** 8-9-97

**Revision** A

This specification sheet forms a part of the latest issue of Raychem Specification 55A and MIL-C-27500 as applicable.

COMPONENT WIRE - 55A0811      SHIELDS - TIN-COATED COPPER      JACKET - RADIATION-CROSSLINKED, MODIFIED ETFE



### CABLE CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	INNER SHIELD SIZE (AWG)	OUTER SHIELD SIZE (AWG)	JACKET THICKNESS (inch)		OUTSIDE DIAMETER (inch)		MAXIMUM WEIGHT (lb/1000 ft)
				MINIMUM	MAXIMUM	NOMINAL	MAXIMUM	
55A6259-22-*	22	38	38	.005	.010	.100	.105	12.0
55A6259-20-*	20	38	38	.005	.010	.108	.113	14.5
55A6259-18-*	18	38	38	.005	.010	.120	.126	18.5
55A6259-16-*	16	38	38	.005	.010	.127	.133	21.2

### CABLE RATING AND ADDITIONAL REQUIREMENTS

**TEMPERATURE RATING:** 150°C  
 Maximum continuous conductor temperature  
**VOLTAGE RATING:** 600 volts (rms)  
**AGING STABILITY:** 230 ± 5°C for 96 hours  
**BLOCKING:** 200 ± 3°C for 6 hours  
**CROSSLINKED VERIFICATION:** 300 ± 5°C for 6 hours  
**DIELECTRIC WITHSTAND:** 1500 volts (rms), 60 Hz conductor to shield  
**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, 1500 volts (rms), 60 Hz, 100% test  
 Impulse Dielectric Test, 6.0 kV (peak), 100% test  
**LOW TEMPERATURE-COLD BEND:** -55 ± 5°C for 4 hours  
**SHIELD COVERAGE:** 85% (minimum) (each)  
**THERMAL SHOCK:** 230 ± 5°C for 4 hours  
**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 dash separating the component wire color from the jacket color.  
 Example: AWG 22, white component wire; white jacket:  
 55A6259-22-9-9

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

This construction meets all the requirements of M27500-AWGSD1V23, less identification.

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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单击下面可查看定价，库存，交付和生命周期等信息

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