

# SPECIFICATION CONTROL DRAWING

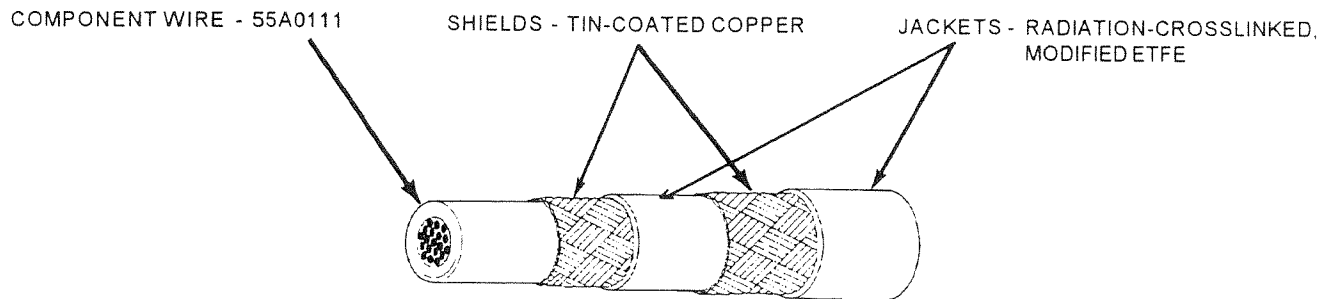
55A6741

TITLE ONE CONDUCTOR CABLE, DOUBLE SHIELDED, DOUBLE JACKETED

Date 2-23-98

Revision B

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



### CABLE CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	INNER SHIELD SIZE (AWG)	INNER JACKET THICKNESS (inch)		OUTER SHIELD SIZE (AWG)	OUTER JACKET THICKNESS (inch)		OUTSIDE DIAMETER (inch)		MAXIMUM WEIGHT (lb/1000 ft)
			MINIMUM	MAXIMUM		MINIMUM	MAXIMUM	NOMINAL	MAXIMUM	
55A6741-22-*	22	38	.004	.008	38	.005	.010	.105	.110	12.8
55A6741-20-*	20	38	.004	.008	38	.005	.010	.112	.118	15.2

### CABLE RATINGS 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,  
 500 volts (rms), 60 Hz, shield 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) (each)  
 Tensile Strength, 5000 lbf/in<sup>2</sup> (minimum) (each)  
 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 inner jacket color and a dash separating the inner jacket color from the outer jacket color.  
 Example: AWG 22, White component wire; white inner jacket and white outer jacket:  
 55A6741-22-9-9-9

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

This construction meets all the requirements of M27500-AWGSB1V73, 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

**Raychem**

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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