

SPECIFICATION CONTROL DRAWING

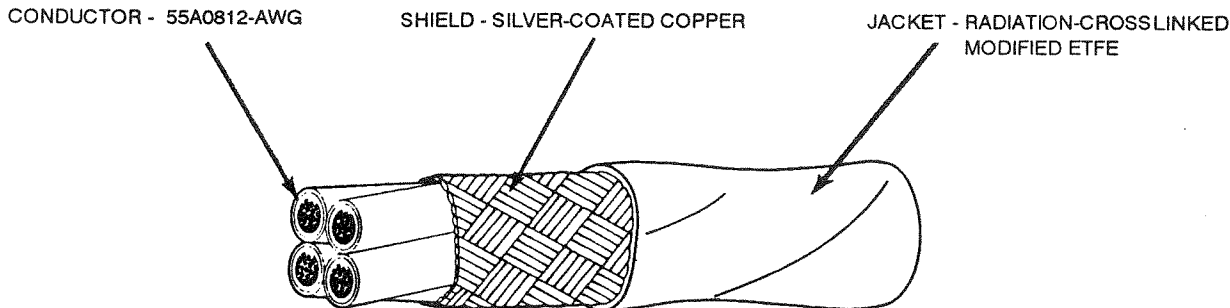
55A7035

TITLE FOUR CONDUCTOR CABLE, SHIELDED, JACKETED

Date 2-28-91

Revision

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)	SHIELD SIZE (AWG)	JACKET THICKNESS (inches)		OUTSIDE DIAMETER (in.)		MAXIMUM WEIGHT (lb/1000 ft.)
			MINIMUM	NOMINAL	NOMINAL	MAXIMUM	
55A7035-12-*	12	36	.007	.009	.308	.361	108.

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 200°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
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 lb/in² (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: -65 ± 5°C for 4 hours
SHIELD COVERAGE: 85% (minimum)
THREML SHOCK: 230 ± 5°C for 4 hours
VOLTAGE WITHSTAND TEST: (After Crosslinked Verification, Immersion and Low Temperature-Cold Bend) 1000 volts (rms), 60 Hz, 1 minute

PART NUMBER:
 The *** in the part number above shall be replaced by a color code designator with a slash separating the component wire colors and a dash separating the component wire colors from the jacket color.
 Example: AWG 12, white, blue, orange and green component wires; white jacket:
 55A7035-12-9/6/3/5-9

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

This construction meets all the requirements of M27500-AWGSP4S23, 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

Raychem Corporation
 300 Constitution Drive, Menlo Park, California 94025
 (415) 361 3333 TWX 910 373 1728