

SPECIFICATION CONTROL DRAWING

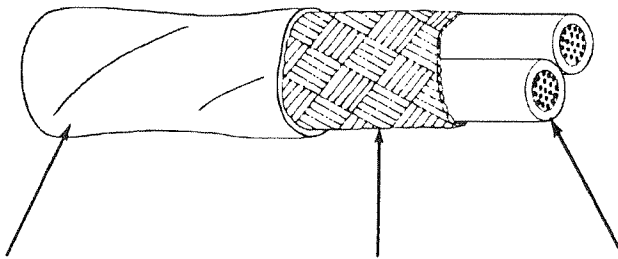
55A7345

TWO CONDUCTOR CABLE,
SHIELDED, JACKETED, 600 VOLT

This specification sheet forms a part of the latest issue of Raychem Specification 55A.

Date: 8-29-96
Revision:

COMPONENT WIRES - 55A0116 SHIELD - TIN-COATED COPPER JACKET - RADIATION-CROSSLINKED, MODIFIED ETFE



CABLE CONSTRUCTION DETAILS						
PART NUMBER	CONDUCTOR SIZE (AWG)	SHIELD SIZE (AWG)	JACKET THICKNESS (inches)		OUTSIDE DIAMETER (inches)	
			MINIMUM	NOMINAL	NOMINAL	MAXIMUM
55A7345-26*	26	38	.006	.008	.102	8.3
55A7345-24*	24	38	.006	.008	.112	10.2
55A7345-22*	22	38	.006	.008	.125	12.9

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/in² (minimum)
 JACKET FLAWS:
 Spark Test, 1000 volts (rms), 60 Hz, 100% test
 Impulse Dielectric Test, 6.0 kV (peak), 100% test

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

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 22, white and black component
 wires; white jacket: 55A7345-22-9/0-9

LIFE CYCLE: 200 ± 3°C for 168 hours
 LOW TEMPERATURE-COLD BEND: -65 ± 3°C for 4 hours
 SHIELD COVERAGE: 90% (minimum)
 VOLTAGE WITHSTAND TEST (POST ENVIRONMENTAL):
 1000 volts (rms), 60 Hz

COLORS AND COLOR CODE DESIGNATORS SHALL BE IN ACCORDANCE WITH MIL-STD-881

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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