

SPECIFICATION CONTROL DRAWING

55A4132

TITLE THREE CONDUCTOR CABLE, JACKETED

Date 11-16-90

Revision A

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

COMPONENT WIRES - 55A0112

JACKET - RADIATION-CROSSLINKED,
MODIFIED ETFE



TABLE I. CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	JACKET THICKNESS (inches)		OUTSIDE DIAMETER (inches)		MAXIMUM WEIGHT (lb/1000 ft)
		MINIMUM	NOMINAL	NOMINAL	MAXIMUM	
55A4132-26-*	26	.006	.008	.085	.090	6.0
55A4132-24-*	24	.006	.008	.096	.101	8.1
55A4132-22-*	22	.006	.008	.109	.114	10.8
55A4132-20-*	20	.006	.008	.124	.130	15.8
55A4132-18-*	18	.006	.008	.146	.153	23.0
55A4132-16-*	16	.006	.008	.163	.171	28.9
55A4132-14-*	14	.006	.008	.200	.210	44.1
55A4132-12-*	12	.007	.009	.240	.253	66.1

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 200°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, 60 Hz, (rms)

FLAMMABILITY:

Procedure 1, 3 seconds (maximum); 3 inch (maximum);

no flaming of facial tissue

JACKET COLOR: White preferred

JACKET ELONGATION AND TENSILE STRENGTH:

Elongation, 50% (minimum)

Tensile Strength, 5000 lbf/in² (minimum)

LIFE CYCLE: 230 ± 3°C for 500 hours

LOW TEMPERATURE-COLD BEND: -65 ± 3°C for 4 hours

THERMAL SHOCK: 300 ± 3°C for 6 hours

VOLTAGE WITHSTAND TEST: (After Accelerated Aging, Immersion, Life Cycle, Low Temperature-Cold Bend and Thermal Shock)
1000 volts, 60 Hz, 1 minute

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 20, white, black and red component wires;
white jacket: 55A4132-20-9/0/2-9

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