

SPECIFICATION CONTROL DRAWING

55A6315

TITLE ONE CONDUCTOR CABLE, SHIELDED, JACKETED
MEDIUM WEIGHT, 600 VOLT

DATE: 7-29-87

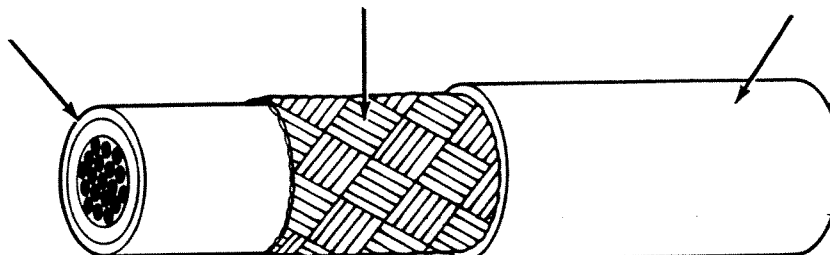
REVISION: A

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

COMPONENT WIRE - 55A0213

SHIELD - TIN-COATED COPPER

JACKET - RADIATION-CROSSLINKED,
MODIFIED ETFE



CABLE CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	SHIELD SIZE (AWG)	JACKET THICKNESS (in.)		CABLE DIAMETER (in.)		MAXIMUM WEIGHT (lbs/1000 ft)
			MINIMUM	NOMINAL	NOMINAL	MAXIMUM	
55A6315-22-*	22	38	.006	.008	.080	.085	7.5
55A6315-20-*	20	38	.006	.008	.088	.093	9.6
55A6315-18-*	18	38	.006	.008	.099	.104	12.8
55A6315-16-*	16	38	.006	.008	.106	.111	15.0
55A6315-14-*	14	38	.006	.008	.121	.127	21.1
55A6315-12-*	12	38	.006	.008	.139	.146	29.5

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, 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, 60 Hz (rms), 100% test

Impulse Dielectric Test, 6.0 kV (peak), 100% test

LIFE CYCLE: 200 ± 3°C for 168 hours

LOW TEMPERATURE-COLD BEND: -65 ± 2°C for 4 hours

SHIELD COVERAGE: 85% (minimum)

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 dash separating the component wire color from the jacket color.

Example: AWG 20, white component wire; white jacket: 55A6315-20-9-9.

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

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 94025-1165
415) 361 3333 TWX 910 373 1728

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Hook-up Wire](#) category:

Click to view products by [TE Connectivity](#) manufacturer:

Other Similar products are found below :

[002333-000](#) [M81044/12-22-6](#) [M81044/9-8-9](#) [743094-001](#) [81044/12-18-9CS3209](#) [8538-009-1000](#) [ATFC0311-20-5D](#) [EF5675-000](#)
[BFWUL3239-24-PINK](#) [22759/34-16-9CS2621](#) [22759/42-24-9CS2620](#) [933205-000](#) [284711-000](#) [961473-000](#) [30802-009-250](#) [30808-010-500](#)
[30810-010-500](#) [99M0111-20-2](#) [A00594-000](#) [190571-000](#) [22759/41-12-9CS2620](#) [22759/41-16-9CS2620](#) [22759/43-10-9CS2873](#) [265925-000](#)
[CM9524-000](#) [CMC-0553-1-9](#) [31510-010-250](#) [31514-009-500](#) [32412-009-500](#) [34401-010-250](#) [34402-010-500](#) [M81044/9-4-9](#) [391441-BK007](#)
[400R0111-10-9](#) [431660-000](#) [ATFC0311-20-0](#) [ATFC0311-20-3](#) [44/7024-26-9-9](#) [44A0112-22-9CS3184](#) [456157-000](#) [BFW-UL3239-24-](#)
[WHITE](#) [55/0312-26-6L-CS2570](#) [55A0811-12-9](#) [55A6087-20-9-9-9](#) [55A6315-22-9-9CS2632](#) [55A7400-22-9/96-9CS2275](#) [55A9002-30-5](#)
[55PC0211-20-5CS2502](#) [55PC0811-6-9CS2637](#) [55PC1211-22-9-9CS3278](#)