

SPECIFICATION CONTROL DRAWING

55A6090

TITLE

FIVE CONDUCTOR CABLE, SHIELDED, JACKETED, NORMAL WEIGHT

Date

6-4-96

Revision

G

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

COMPONENT WIRES - 55A6090-C01
*Colors as shown per drawingJACKET - RADIATION-CROSSLINKED,
MODIFIED ETFE
COLOR - WHITE

SHIELD - TIN-COATED COPPER

FILLER - RADIATION-CROSSLINKED,
MODIFIED ETFE

FILAMENT BINDER AS REQUIRED

CABLE CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	SHIELD SIZE (AWG)	JACKET THICKNESS (inches)		OUTSIDE DIAMETER (inches)		NOMINAL WEIGHT (lb/1000 ft)
			MINIMUM	NOMINAL	NOMINAL	MAXIMUM	
55A6090-20	20	38	.0070	.0085	.250	.263	49.6

ADDITIONAL REQUIREMENTS

CABLE JACKET: Tensile Strength, 5000 lbf/in² (minimum)

Elongation, 50% (minimum)

FLAMMABILITY: Procedure 1 (60° test), 3 seconds (maximum);

3 inch (maximum); no flaming of facial tissue

JACKET FLAWS: Impulse Dielectric Test: 6.0 kV (peak)

SHIELD COVERAGE: 85% (minimum)

VOLTAGE WITHSTAND: 1500 volts (rms) conductor to conductor and shield

CABLE IDENTIFICATION: Outer jacket shall be marked in green ink at 6 inch (nominal) intervals between marks as follows: "55A6090-20-06090"

CAPACITANCE: Conductor to shield at 1 KHz:

Other conductors floating: 36 pF/ft. (maximum)

Other conductors to shield: 40 pF/ft. (maximum)

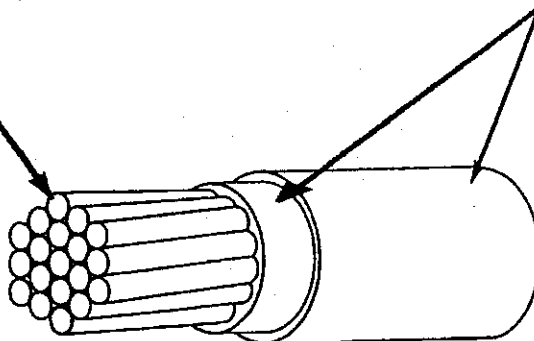
Other conductors to guard: 26 pF/ft. (maximum) (for reference only)

COLORS AND COLOR CODE DESIGNATORS SHALL BE IN ACCORDANCE WITH MIL-STD-681.

DIMENSIONS ARE IN INCHES, AND UNLESS OTHERWISE DESIGNATED ARE NOMINAL.

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CONDUCTOR - TIN-COATED COPPER

 INSULATION - RADIATION-CROSSLINKED
MODIFIED ETFE
COLORS PER PAGE 1

CABLE CONSTRUCTION DETAILS

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PART NUMBER	WIRE SIZE (AWG)	CONDUCTOR STRANDING (number x AWG)	DIAMETER OF STRANDED CONDUCTOR (in.)		FINISHED WIRE			
					MAXIMUM RESISTANCE AT 20°C (ohms/1000 ft.)	DIAMETER (inches)		NOMINAL WEIGHT (lb/1000 ft)
			MINIMUM	MAXIMUM		MINIMUM	MAXIMUM	
55A6090-C01	20	19 x 32	.037	.041	9.88	.077	.083	6.7

ADDITIONAL REQUIREMENTS

Except as specified above this construction shall meet all the requirements of Raychem Specification Sheet 55A0711.