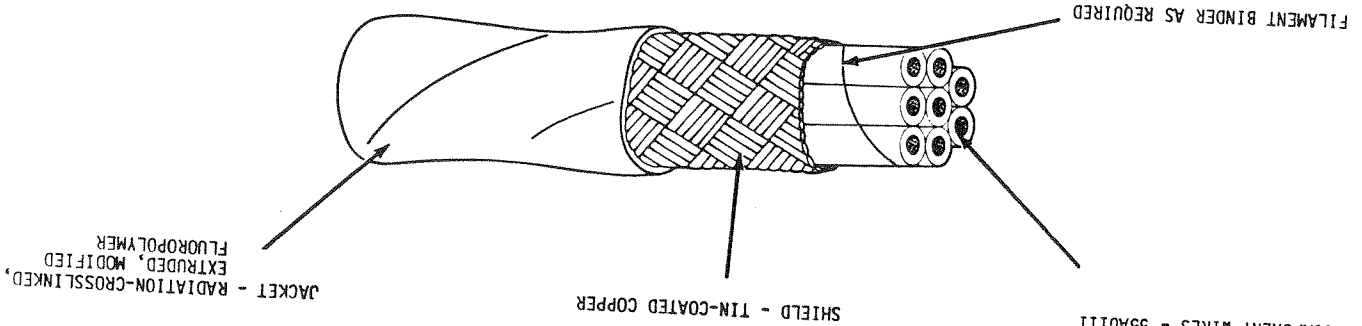


SPECIFICATION SHEET
CABLE, ELECTRIC, RADIATION-CROSSLINKED, EXTRUDED, SHIELDED, JACKETED, FLUOROPOLYMER-INSULATED,
EIGHT CONDUCTOR, SHIELDED, JACKETED, LIGHTWEIGHT
150°C

The complete requirements for procuring the cable described herein shall consist of this document and the issue in effect of Raychem Specification 55A.

COMPONENT WIRES - 55A0111



CABLE CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	SHIELD SIZE (AWG)	JACKET THICKNESS (in.)		OUTSIDE DIAMETER (in.)	MAXIMUM WEIGHT (lb/1000 ft.)
			MINIMUM	NOMINAL 1/		
55A1181-30*	30	38	.0060	.0075	.118	13.0
55A1181-28*	28	38	.0060	.0075	.148	15.9
55A1181-26*	26	38	.0060	.0075	.168	18.9
55A1181-24*	24	38	.0060	.0075	.188	21.1
55A1181-22*	22	38	.0060	.0075	.168	27.3
55A1181-20*	20	38	.0060	.0075	.187	27.3
55A1181-18*	18	38	.0070	.0085	.212	36.5
55A1181-16*	16	38	.0070	.0085	.250	51.1
55A1181-14*	14	36	.0080	.0095	.322	73.1
55A1181-12*	12	36	.0080	.0095	.408	90.7
1/ Nominal values are for information only. Nominal values are not requirements.						
					.472	200.

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
ELECTRIC 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 psi (minimum)
JACKET FLAMS:
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)

TERMAL 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 in accordance with MIL-STD-681 with a slash separating component wire colors and a dash separating the component wire colors from the jacket color.
Example:
AWG 20, white, black, brown, red, orange, yellow, green and blue component wires; white jacket;
55A1181-20-9/0/1/2/3/4/5/6-9.

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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