

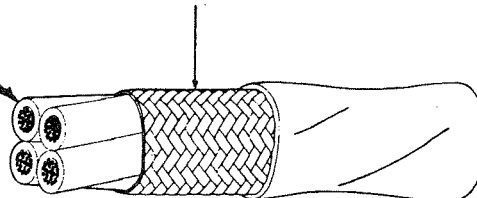
SPECIFICATION CONTROL DRAWING

55PC2141TITLE
FOUR CONDUCTOR CABLE, FLAT BRAID SHIELDED, JACKETED, 600 VOLTDate
11-13-95Revision
D

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

COMPONENT WIRES - 55PC0111

SHIELD - TIN-COATED COPPER

JACKET - RADIATION-CROSSLINKED,
MODIFIED ETFE

CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	SHIELD STRAND THICKNESS (± .0004)	JACKET THICKNESS (in.)		DIAMETER (in.)			WEIGHT (lbs/1000 ft.)	
			LOWER SPEC LIMIT	TARGET WALL	LOWER SPEC LIMIT	TARGET VALUE	UPPER SPEC LIMIT	TARGET VALUE	UPPER SPEC LIMIT
55PC2141-24-*	24	.0015	.0065	.0085	.100	.115	.131	11.36	12.07
55PC2141-22-*	22	.0015	.0070	.0090	.115	.131	.148	15.63	16.39
55PC2141-20-*	20	.0015	.0070	.0090	.133	.152	.172	22.25	23.18
55PC2141-18-*	18	.0015	.0075	.0095	.154	.177	.201	32.18	33.41
55PC2141-16-*	16	.0015	.0075	.0095	.172	.197	.222	40.08	41.50
55PC2141-14-*	14	.0015	.0080	.0100	.204	.235	.266	59.69	61.52
55PC2141-12-*	12	.0015	.0080	.0100	.247	.285	.323	89.60	91.91
55PC2141-10-*	10	.0015	.0085	.0110	.305	.352	.400	139.71	143.20

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 150°C

Maximum continuous conductor temperature

VOLTAGE RATING: 600 volts (rms)

DIELECTRIC WITHSTAND: 1500 volts (rms), 60 Hz

CROSSLINK VERIFICATION: 300 ± 3°C for 1 hour

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

SHIELD COVERAGE: 85% (minimum)

VOLTAGE WITHSTAND TEST (POST ENVIRONMENTAL):
1000 volts (rms), 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 22, red, blue, yellow and green component wires; white jacket:

55PC2141-22-2/6/4/5-9

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

THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HERIN. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.

Raychem

Raychem Corporation
300 Constitution Drive, Menlo Park, California 94025
1-800-2-Raychem Fax: 1-415-361-6297