

SPECIFICATION CONTROL DRAWING

55PC6145

TITLE

FOUR CONDUCTOR CABLE, FLAT BRAID SHIELDED, JACKETED, 600 VOLT

Date

11-16-99

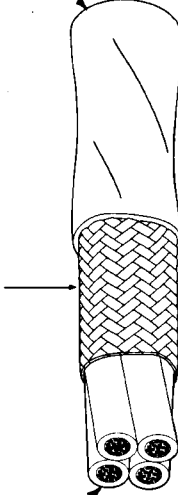
Revision

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

COMPONENT WIRES - 55PC0116

SHIELD - NICKEL-COATED COPPER

JACKET - RADIATION-CROSSLINKED,
MODIFIED ETFE



CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	SHIELD STRAND THICKNESS ($\pm .0004$)	JACKET THICKNESS (in.)		DIAMETER (in.)		WEIGHT (lbs/1000 ft.)	
			LOWER SPEC LIMIT	TARGET WALL	LOWER SPEC LIMIT	TARGET VALUE	UPPER SPEC LIMIT	TARGET VALUE
55PC6145-26*	26	.0015	.0065	.0085	.089	.102	.115	8.44
55PC6145-24*	24	.0015	.0065	.0085	.100	.115	.131	11.36
55PC6145-22*	22	.0015	.0070	.0090	.115	.131	.148	15.63
55PC6145-20*	20	.0015	.0070	.0090	.133	.152	.172	22.25
55PC6145-18*	18	.0015	.0075	.0095	.154	.177	.201	32.18
55PC6145-16*	16	.0015	.0075	.0095	.172	.197	.222	40.08
								41.50

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 200°C
Maximum continuous conductor temperature
VOLTAGE RATING: 600 volts (rms)

SHIELD COVERAGE: 85% (minimum)
VOLTAGE WITHSTAND TEST (POST ENVIRONMENTAL):
1000 volts (rms), 60 Hz, 1 minute

CROSSLINK VERIFICATION: 300 $\pm$ 3°C for 1 hour
DIELECTRIC WITHSTAND: 1500 volts (rms), 60 Hz
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

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:
55PCT6145-22-2/6/4/5-9

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

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[55PC6145-22-MSL4-9CS2956](#)