

SPECIFICATION CONTROL DRAWING

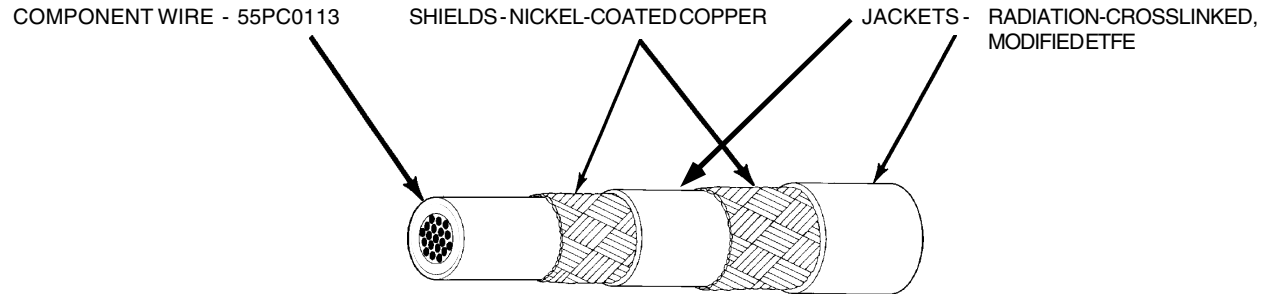
55PC6159

TITLE ONE CONDUCTOR CABLE, DOUBLE SHIELDED,
DOUBLE JACKETED, 600 VOLT

Date 04-26-00

Revision

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



CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	1ST SHIELD SIZE (AWG)	1ST JACKET THICKNESS (in.)		2ND SHIELD SIZE (AWG)	2ND JACKET THICKNESS (in.)		DIAMETER (in.)			WEIGHT (lbs/1000 ft.)	
			LOWER SPEC LIMIT	TARGET WALL		LOWER SPEC LIMIT	TARGET WALL	LOWER SPEC LIMIT	TARGET VALUE	UPPER SPEC LIMIT	TARGET VALUE	UPPER SPEC LIMIT
55PC6159-24-*	24	38	.0040	.0050	38	.0080	.0100	.094	.100	.106	11.00	11.92
55PC6159-22-*	22	38	.0040	.0050	38	.0080	.0100	.100	.106	.112	12.74	13.75
55PC6159-20-*	20	38	.0040	.0050	38	.0080	.0100	.108	.114	.120	15.30	16.43
55PC6159-18-*	18	38	.0040	.0050	38	.0080	.0100	.117	.123	.129	18.79	20.09
55PC6159-16-*	16	38	.0040	.0050	38	.0080	.0100	.125	.131	.137	21.59	23.02

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

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

CROSSLINK VERIFICATION: 300 ± 3°C for 1 hour
DIELECTRIC WITHSTAND:
1500 volts (rms), 60 Hz, conductor to conductor & shield
500 volts (rms), 60 Hz, shield to shield

JACKET COLOR: White preferred
JACKET ELONGATION AND TENSILE STRENGTH:
Elongation, 50% (minimum) (each)
Tensile Strength, 5000 lbf/in² (minimum) (each)

JACKET FLAWS:
Spark Test, 1000 volts (rms), 100% test
Impulse Dielectric Test, 6.0 kV (peak), 100 % test

SHIELD COVERAGE: 85% (minimum) 1st shield,
95% (nominal) for 2nd shield
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, a dash separating the component wire colors from the inner jacket color and a dash separating the inner jacket color from the outer jacket color.
Example: AWG 22, white component wire; white inner jacket and white outer jacket: 55PC6159-22-9-9-9

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

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