

SPECIFICATION CONTROL DRAWING

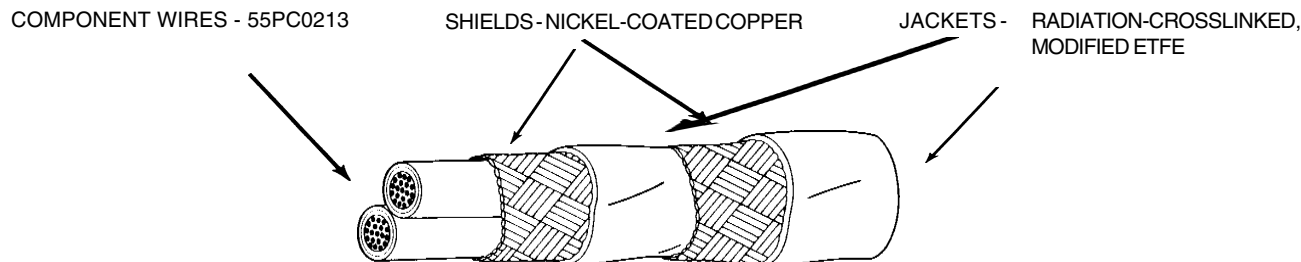
55PC6158

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

Date
05-10-00

Revision
A

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



CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	INNER SHIELD SIZE (AWG)	INNER JACKET THICKNESS (in.)		OUTER SHIELD SIZE (AWG)	OUTER 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
55PC6158-24-*	24	38	.0040	.0050	38	.0080	.0100	.137	.143	.149	17.37	18.42
55PC6158-22-*	22	38	.0040	.0050	38	.0080	.0100	.149	.155	.161	20.73	21.77
55PC6158-20-*	20	38	.0040	.0050	38	.0080	.0100	.166	.172	.178	25.85	27.14
55PC6158-18-*	18	38	.0040	.0050	38	.0080	.0100	.185	.191	.197	32.70	33.68
55PC6158-16-*	16	38	.0040	.0050	38	.0080	.0100	.200	.206	.212	38.18	39.32
55PC6158-14-*	14	38	.0040	.0050	38	.0080	.0100	.230	.236	.242	51.08	52.61
55PC6158-12-*	12	38	.0040	.0050	38	.0080	.0100	.267	.273	.279	69.66	71.75
55PC6158-10-*	10	38	.0040	.0050	36	.0080	.0100	.320	.326	.332	102.82	105.90

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) each 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, red and blue component wires;
white inner jacket and white outer jacket:
55PC6158-22-2/6-9-9

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

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