

SPECIFICATION CONTROL DRAWING

55PC6178

TITLE

TWO CONDUCTOR CABLE, DOUBLE SHIELDED, JACKETED, 600 VOLT

Date

04-05-01

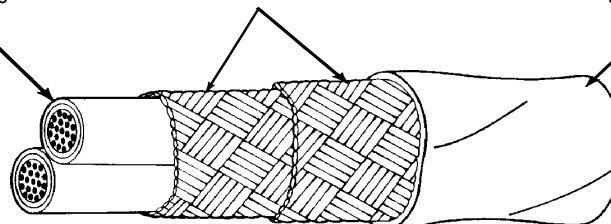
Revision

A

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

COMPONENT WIRES - 55PC0216

SHIELDS - NICKEL-COATED COPPER

JACKET - RADIATION-CROSSLINKED,
MODIFIED ETFE

CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	INNER SHIELD SIZE (AWG)	OUTER SHIELD SIZE (AWG)	JACKET THICKNESS (in.)		DIAMETER (in.)			WEIGHT (lbs/1000 ft.)	
				LOWERSPEC LIMIT	TARGET WALL	LOWERSPEC LIMIT	TARGET VALUE	UPPERSPEC LIMIT	TARGET VALUE	UPPERSPEC LIMIT
55PC6178-24-*	24	38	38	.0055	.0070	.123	.128	.133	14.48	15.03
55PC6178-22-*	22	38	38	.0055	.0070	.135	.140	.145	17.56	18.14
55PC6178-20-*	20	38	38	.0055	.0070	.152	.157	.162	22.27	22.92
55PC6178-18-*	18	38	38	.0060	.0075	.172	.177	.182	28.84	29.66
55PC6178-16-*	16	38	38	.0060	.0075	.187	.192	.197	33.97	34.86

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 200°C

Maximum continuous conductor temperature

VOLTAGE RATING: 600 volts (rms)

DIELECTRIC WITHSTAND: 1500 volts (rms), 60 Hz

CROSSLINKING PROOF TEST: 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), 100% test

Impulse Dielectric Test, 6.0 kV (peak), 100 % test

SHIELD COVERAGE: 85% (minimum) (each)

VOLTAGE WITHSTAND TEST (POST ENVIRONMENTAL):

1000 volts (rms), 60 Hz, 1 minute

PART NUMBER:

The "*" in the part numbers above shall be replaced by a 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 and blue component wires;

white jacket: 55PC6178-22-2/6-9

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

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