

SPECIFICATION CONTROL DRAWING

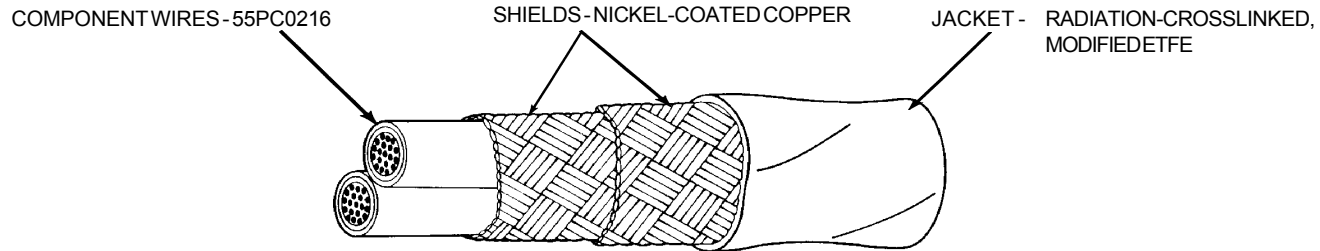
55PC6178

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.



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.