

SPECIFICATION CONTROL DRAWING

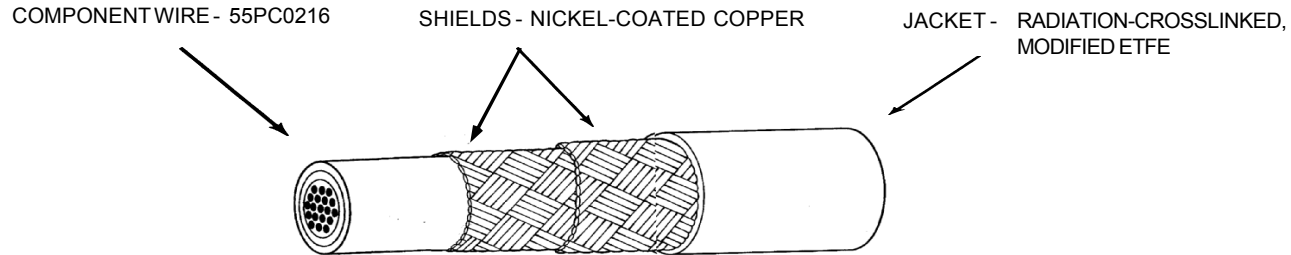
55PC6177

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

Date 04-05-01

Revision

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.)	
				LOWER SPEC LIMIT	TARGET WALL	LOWER SPEC LIMIT	TARGET VALUE	UPPER SPEC LIMIT	TARGET VALUE	UPPER SPEC LIMIT
55PC6177-24-*	24	38	38	.0050	.0060	.083	.087	.091	8.95	9.33
55PC6177-22-*	22	38	38	.0050	.0060	.089	.093	.097	10.56	10.97
55PC6177-20-*	20	38	38	.0050	.0060	.097	.101	.105	13.03	13.47
55PC6177-18-*	18	38	38	.0050	.0060	.107	.111	.115	16.35	16.89
55PC6177-16-*	16	38	38	.0050	.0065	.115	.119	.123	19.13	19.71

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 color code designators with a dash separating the component wire color from the jacket color.
 Example: AWG 24, red component wire;
 white jacket: 55PC6177-24-2-9

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

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