

SPECIFICATION CONTROL DRAWING

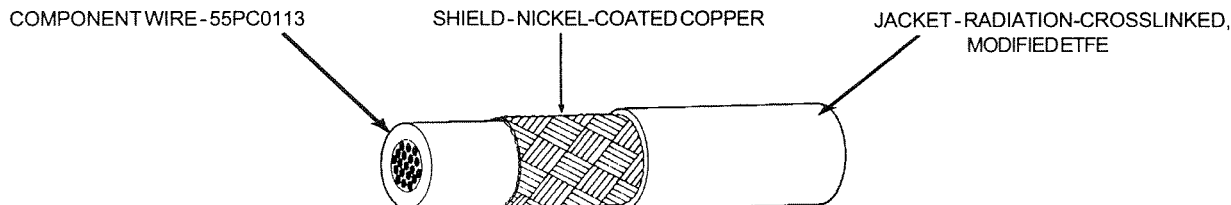
55PC1113

TITLE ONE CONDUCTOR CABLE, SHIELDED, JACKETED, 600 VOLT

Date 08-06-01

Revision A

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



CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	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
55PC1113-26-*	26	38	.0050	.0060	.056	.060	.064	4.00	4.24
55PC1113-24-*	24	38	.0050	.0060	.061	.065	.069	4.86	5.12
55PC1113-22-*	22	38	.0050	.0060	.068	.071	.074	6.13	6.41
55PC1113-20-*	20	38	.0050	.0060	.075	.079	.083	8.07	8.37
55PC1113-18-*	18	38	.0050	.0060	.085	.088	.092	10.82	11.22
55PC1113-16-*	16	38	.0050	.0060	.092	.096	.100	13.03	13.46
55PC1113-14-*	14	38	.0050	.0060	.107	.110	.114	18.34	18.85
55PC1113-12-*	12	38	.0050	.0065	.126	.130	.134	26.47	27.15
55PC1113-10-*	10	38	.0050	.0065	.151	.157	.162	39.82	41.05

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 200°C
 Maximum continuous conductor temperature
VOLTAGE RATING: 600 volts (rms)
CROSSLINKING PROOF TEST: 300 ± 3°C for 1 hour
DIELECTRIC WITHSTAND: 1500 volts (rms), 60 Hz
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)
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 designator with a dash separating the component wire color from the jacket color.
 Example: AWG 22, white component wire;
 white jacket: 55PC1113-22-9-9

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

