

# SPECIFICATION CONTROL DRAWING

**55PC1132**

TITLE

THREE CONDUCTOR CABLE, SHIELDED, JACKETED, 600 VOLT

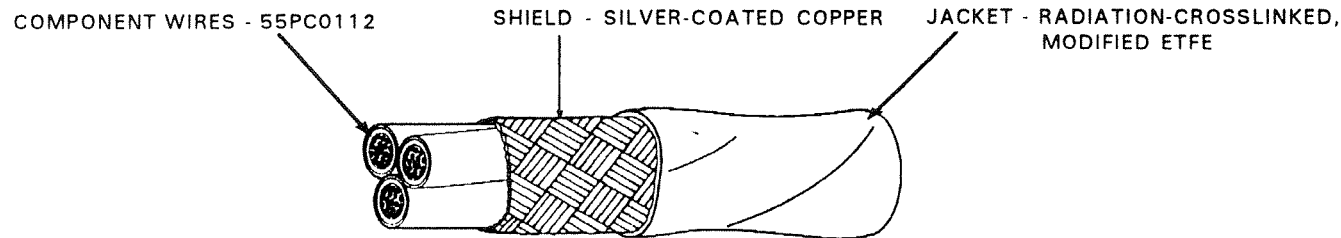
Date

1-7-94

Revision

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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
55PC1132-24 *	24	38	.0055	.0070	.104	.108	.113	11.23	11.67
55PC1132-22 *	22	38	.0060	.0075	.118	.122	.127	14.85	15.39
55PC1132-20 *	20	38	.0060	.0075	.135	.139	.144	20.30	20.91
55PC1132-18 *	18	38	.0060	.0075	.155	.160	.165	28.14	28.94
55PC1132-16 *	16	38	.0060	.0080	.172	.177	.182	34.67	35.57
55PC1132-14 *	14	38	.0060	.0080	.203	.208	.214	50.00	51.12
55PC1132-12 *	12	38	.0060	.0080	.244	.249	.255	73.31	74.78

### 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/in<sup>2</sup> (minimum)  
 JACKET FLAWS:  
 Spark Test, 1000 volts (rms), 60 Hz, 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 slash separating the component wire colors and a dash separating the component wire colors from the jacket color.  
 Example: AWG 22, red, blue and yellow component wires; white jacket: 55PC1132-22-2/6/4-9

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

THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HERIN. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF ISSUANCE FOR BID.

## Raychem

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