

SPECIFICATION CONTROL DRAWING

55PC1233

TITLE

THREE CONDUCTOR CABLE, SHIELDED, JACKETED, 600 VOLT

Date

5-26-00

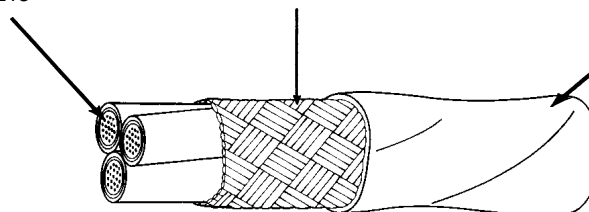
Revision

A

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

COMPONENT WIRES - 55PC0213

SHIELD - NICKEL-COATED COPPER

JACKET - RADIATION-CROSSLINKED,
MODIFIED ETFE

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
55PC1233-26-*	26	38	.0055	.0070	.102	.107	.112	9.89	10.39
55PC1233-24-*	24	38	.0060	.0075	.113	.118	.123	12.42	12.93
55PC1233-22-*	22	38	.0060	.0075	.126	.131	.136	16.05	16.62
55PC1233-20-*	20	38	.0060	.0075	.144	.149	.154	21.74	22.41
55PC1233-18-*	18	38	.0060	.0080	.166	.171	.176	29.93	30.81
55PC1233-16-*	16	38	.0060	.0080	.182	.187	.192	36.40	37.38
55PC1233-14-*	14	38	.0060	.0080	.214	.219	.224	52.21	53.41
55PC1233-12-*	12	38	.0060	.0080	.254	.260	.266	75.71	77.19
55PC1233-10-*	10	36	.0070	.0090	.311	.320	.329	118.63	121.46
55PC1233-8-*	8	34	.0070	.0090	.458	.471	.483	215.79	222.03

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 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: 55PC1233-22-2/6/4-9

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

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