SPECIFICATION CONTROL DRAWING

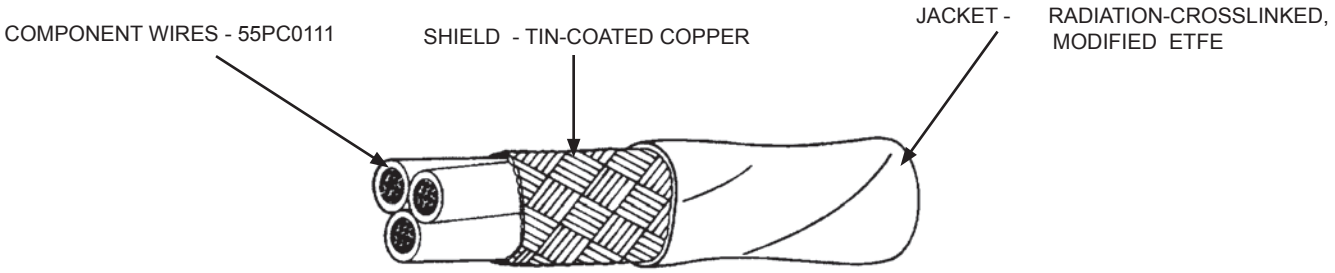
55PC1131

TITLE

THREE CONDUCTOR CABLE, SHIELDED, JACKETED, GENERAL PURPOSE, 600 VOLT

Date: 3-16-10 | Revision: D

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



CONSTRUCTION DETAILS									
PART NUMBER 1/	CONDUCTOR SIZE (AWG)	SHIELD SIZE (AWG)	JACKET THICKNESS (in.)		OUTSIDE DIAMETER (in.)			WEIGHT (lbs/1000 ft.)	
			LOWER SPEC LIMIT	TARGET WALL	LOWER SPEC LIMIT	TARGET VALUE	UPPER SPEC LIMIT	TARGET VALUE	UPPER SPEC LIMIT
55PC1131-28-*	28	38	.0050	.0065	.081	.087	.092	6.69	7.23
55PC1131-26-*	26	38	.0055	.0070	.094	.098	.102	8.87	9.32
55PC1131-24-*	24	38	.0055	.0070	.104	.108	.113	11.23	11.67
55PC1131-22-*	22	38	.0060	.0075	.118	.122	.127	14.85	15.39
55PC1131-20-*	20	38	.0060	.0075	.135	.139	.144	20.30	20.91
55PC1131-18-*	18	38	.0060	.0075	.155	.160	.165	28.14	28.94
55PC1131-16-*	16	38	.0060	.0080	.172	.177	.182	34.67	35.57
55PC1131-14-*	14	38	.0060	.0080	.203	.208	.214	50.00	51.12
55PC1131-12-*	12	38	.0060	.0080	.244	.249	.255	73.31	74.78
55PC1131-10-*	10	36	.0065	.0085	.295	.310	.325	116.67	120.59
55PC1131-8-*	8	34	.0070	.0090	.426	.449	.472	218.12	225.11

Users should evaluate the suitability of this product for their application. Specifications are subject to change without notice.
Tyco Electronics also reserves the right to make changes in materials or processing, which do not affect compliance with any specification, without notification to Buyer.

1/ COLORS AND COLOR CODE DESIGNATORS SHALL BE IN ACCORDANCE WITH MIL-STD-681. HOWEVER, DUE TO LENGTH LIMITATIONS OF THE RAYCHEM PART NUMBER, AN ALTERNATIVE COLOR CODE MAY REPLACE MIL-STD-681 COLOR CODE DESIGNATORS. (EXAMPLE: "901/902..." MAY BE REPLACED BY "Axxx".) OTHER CODES AND SUFFIXES MAY BE ADDED TO THE PART NUMBER, AS NECESSARY, TO CAPTURE ANY ADDITIONAL REQUIREMENTS IMPOSED BY THE PURCHASE ORDER.

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DIMENSIONS ARE IN INCHES, AND UNLESS OTHERWISE DESIGNATED ARE NOMINAL.

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

Tyco Electronics

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CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 150°C
Maximum continuous conductor temperature
VOLTAGE RATING: 600 volts (rms) at sea level
CROSSLINK VERIFICATION: 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)
Impulse Dielectric Test, 6.0 kV (peak)
SHIELD COVERAGE: 85% (minimum)
VOLTAGE WITHSTAND (Post Environmental):
1000 volts (rms), 60 Hz, 1 minute

PART NUMBER:
The "*" in the part numbers on page 1 shall be replaced by color code designators with a slash separating the component wire colors and a dash separating the component wire colors from the jacket color. Colors shown do not necessarily reflect the sequence of manufacturing.

1/ Example: AWG 22, black, brown and red component wires; white jacket:
55PC1131-22-0/1/2-9

1/ See footer section on page 1