

SPECIFICATION CONTROL DRAWING

55/4121

TITLE TWO CONDUCTOR CABLE, JACKETED, OUTER SPACE, 600 VOLT	Date 9-28-11	Revision B
This specification sheet forms a part of the latest issue of Raychem Specification 55/.		

COMPONENT WIRES - 55/0111

JACKET - LOW OUTGASSING,
RADIATION-CROSSLINKED,
MODIFIED ETFE



CABLE CONSTRUCTION DETAILS						
PART NUMBER 1/	CONDUCTOR SIZE (AWG)	JACKET THICKNESS (in.)		OUTSIDE DIAMETER (in.)		MAXIMUM WEIGHT (lbs/1000 ft.)
		MINIMUM	NOMINAL	NOMINAL	MAXIMUM	
55/4121-24-*	24	.006	.008	.090	.095	5.9
55/4121-22-*	22	.006	.008	.102	.107	7.8
55/4121-20-*	20	.006	.008	.116	.122	11.2
55/4121-18-*	18	.006	.008	.136	.143	16.1
55/4121-16-*	16	.006	.008	.152	.160	20.1
55/4121-14-*	14	.006	.008	.186	.195	30.5
55/4121-12-*	12	.007	.009	.224	.235	45.6

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 150°C
 Maximum continuous conductor temperature
VOLTAGE RATING: 600 volts (rms) at sea level
CROSSLINKED VERIFICATION: 300 ± 3°C for 1 hour
DIELECTRIC WITHSTAND: 1500 volts (rms), 60 Hz
JACKET COLOR: White preferred
JACKET ELONGATION: 50% (minimum)
RADIATION RESISTANCE: 500 megarads
VACUUM STABILITY:
 Total Mass Loss (TML), 1.00% (maximum)
 Volatile Condensable Material, 0.10% (maximum)

PART NUMBER:
 The "*" in the part numbers above 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.

1/ Example: AWG 20, black and brown component wires;
 white jacket: 55/4121-20-0/1-9

NOTE: Nominal values are for information only.
 Nominal values are not requirements.

Users should evaluate the suitability of this product for their application. Specifications are subject to change without notice. Tyco Electronics Corporation 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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[55/4121-24-2/6-9](#) [55/4121-22-2/6-9](#)