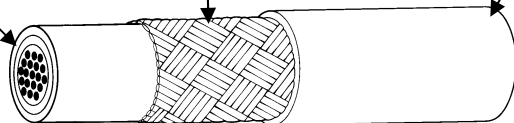


SPECIFICATION CONTROL DRAWING					SCD		55/1812					
TitleONE CONDUCTOR CABLE, SHIELDED, JACKETED, OUTER SPACE, 600 VOLT					Date6-30-16		RevisionC					
This specification sheet forms a part of the latest issue of Raychem Specification 55/.												
COMPONENT WIRE - 55/0812									SHIELD - SILVER-COATED COPPER		JACKET - LOW OUTGASSING, RADIATION-CROSSLINKED, MODIFIED ETFE	
												
CABLE CONSTRUCTION DETAILS												
PART NUMBER 1/	CONDUCTOR SIZE (AWG)	SHIELD SIZE (AWG)	JACKET THICKNESS (inch)		OUTSIDE DIAMETER (inch)		MAXIMUM WEIGHT (lbs/1000 ft.)					
			MINIMUM	NOMINAL	NOMINAL	MAXIMUM						
55/1812-28-*	28	38	.006	.008	.068	.074	4.7					
55/1812-26-*	26	38	.006	.008	.073	.079	5.6					
55/1812-24-*	24	38	.006	.008	.078	.084	6.6					
55/1812-22-*	22	38	.006	.008	.083	.089	7.8					
55/1812-20-*	20	38	.006	.008	.091	.098	9.9					
55/1812-18-*	18	38	.006	.008	.103	.111	13.3					
55/1812-16-*	16	38	.006	.008	.110	.118	15.6					
55/1812-14-*	14	38	.006	.008	.127	.135	21.7					
55/1812-12-*	12	38	.006	.008	.144	.152	29.6					
55/1812-10-*	10	38	.006	.008	.167	.180	43.2					
55/1812-8-*	8	38	.007	.009	.230	.249	77.8					
CABLE RATINGS AND ADDITIONAL REQUIREMENTS												
TEMPERATURE RATING: 200°C Maximum continuous conductor temperature					VACUUM STABILITY: Total Mass Loss (TML), 1.00% (maximum)							
VOLTAGE RATING: 600 volts (rms) at sea level					Volatile Condensable Material (VCM), 0.10% (maximum)							
CROSSLINKED VERIFICATION: 300 ± 3°C for 1 hour					VOLTAGE WITHSTAND (Post Environmental):							
DIELECTRIC WITHSTAND: 1500 volts (rms), 60 Hz					1500 volts (rms), 60 Hz, 1 minute							
JACKET COLOR: White preferred					1/ PART NUMBER:							
JACKET ELONGATION: 50% (minimum)					The "*" in the part numbers above shall be replaced by color code designators with a dash separating the component wire color from the jacket color.							
JACKET FLAWS: Spark Test, 1000 volts (rms)					Example: AWG 22, white component wire; white jacket:							
Impulse Dielectric Test, 6.0 kV (peak)					55/1812-22-9-9							
RADIATION RESISTANCE: 500 megarads												
SHIELD COVERAGE: 85% (minimum)												
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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	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.											

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