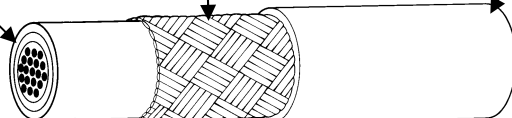



SPECIFICATION CONTROL DRAWING					SCD		55/1812	
TitleONE CONDUCTOR CABLE, SHIELDED, JACKETED, OUTER SPACE, 600 VOLT					Date6-30-16		RevisionC	
This specification sheet forms a part of the latest issue of Raychem Specification 55/.								
COMPONENT WIRE - 55/0812			SHIELD - SILVER-COATED COPPER			JACKET - 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			
JACKET FLAWS:					color code designators with a dash separating the			
Spark Test, 1000 volts (rms)					component wire color from the jacket color.			
Impulse Dielectric Test, 6.0 kV (peak)					Example: AWG 22, white component wire; white jacket:			
RADIATION RESISTANCE: 500 megarads					55/1812-22-9-9			
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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