

CABLE CONSTRUCTION DETAILS									
PART NUMBER <u>1</u> /	CONDUCTOR SIZE (AWG)	SHIELD SIZE (AWG)		THICKNESS nch)	IESS OUTSIDE DIAMETER (inch)		MAXIMUM WEIGHT (Ib/1000 ft)		
			MINIMUM	NOMINAL	NOMINAL	MAXIMUM			
82/1812-26-*	26	38	.005	.007	.069	.074	5.3		
82/1812-24-*	24	38	.005	.007	.075	.080	6.6		
82/1812-22-*	22	38	.005	.007	.085	.090	8.4		
82/1812-20-*	20	38	.006	.008	.097	.102	10.9		
82/1812-18-*	18	38	.006	.008	.109	.114	14.6		
82/1812-16-*	16	38	.007	.009	.127	.133	20.0		
82/1812-14-*	14	38	.008	.010	.153	.161	29.7		
82/1812-12-*	12	38	.008	.010	.174	.183	40.0		
82/1812-10-*	10	38	.009	.012	.228	.239	67.3		

## CABLE RATINGS AND ADDITIONAL REQUIREMENTS

Maxii VOLTA CROS DIELE JACKE JACKE Elong Tensi	ERATURE RATING: 150°C mum continuous conductor temperature AGE RATING: 600 volts (rms) at sea level SLINKING PROOF TEST: 300 ± 3°C for 1 hour, CTRIC WITHSTAND: 1500 volts (rms), 60 Hz ET COLOR: White preferred ET ELONGATION AND TENSILE STRENGTH: (ation, 100% (minimum)) le Strength, 3000 lbf/in <sup>2</sup> (minimum) ET FLAWS:	SECANT MODULUS: 4.0 X 10 <sup>4</sup> lbf/in <sup>2</sup> (maximum), 2 % strain, 2 in. jaw separation, 0.2 in. / minute, SHIELD COVERAGE: 85% (minimum) VACUUM STABILITY (Test per ASTM E 595): Total Mass Loss (TML), 1.00% (maximum) Volatile Condensable Material (VCM), 0.10% (maximum) VOLTAGE WITHSTAND (Post Environmental): 1000 volts (rms), 60 Hz, 1 minute				
Sparl Impul RADIA 500 r	k Test, 1500 volts (rms) lse Dielectric Test, 6.0 kV (peak) ITION RESISTANCE (Test per Raychem Spec 55/): negarads	PART NUMBER The "*" in the part numbers above shall be replaced by a color code designator with a dash separating the component wire color from the jacket color. <u>1</u> /Example: AWG 20, white component wire; white jacket: 82/1812-20-9-9				
	s should evaluate the suitability of this product for their applicatio o reserves the right to make changes in materials or processing, v					
ANALTERNA	D COLOR CODE DESIGNATORS SHALL BE IN ACCORDANCE WITH MIL-S TIVE COLOR CODE MAY REPLACE MIL-STD-681 COLOR CODE DESIGNA Y BE ADDED TO THE PART NUMBER, AS NECESSARY, TO CAPTURE AN	TORS. (EXAMPLE: "901/902" MAY BE REF	PLACED BY "Axxx"	.) OTHER CODES AND		
Page 1 of 1	DIMENSIONS ARE IN INCHES, AND UNLESS OTHERWISE D	ESIGNATED ARE NOMINAL.	tyco	<b>Raychem</b> Wire & Cable 501 Oakside Avenue		
	THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DO REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFEC	Electronics	Redwood City, CA 94063-3800 Phone: 1-800-227-8816 Fax: 1-650-361-6297			