

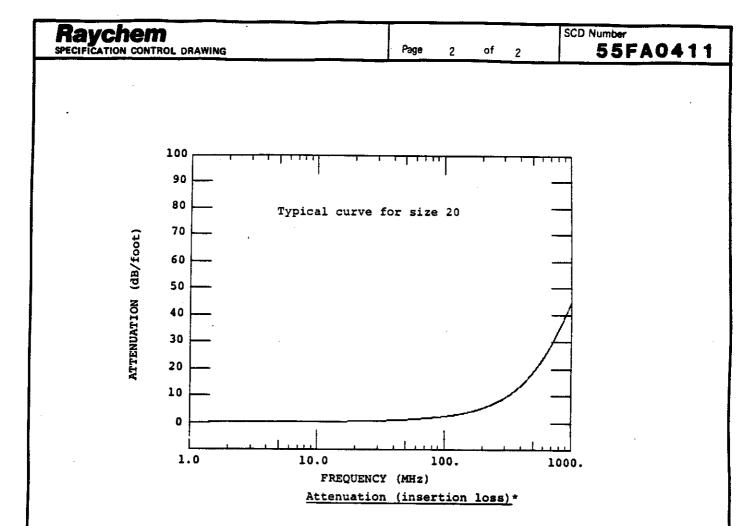
	TABLE II. PEI	RFORMANCE	DETAILS			
PART NUMBER	BEND TESTING					
	MANDREL DIAMETER (inch) (± 3%)		WEIGHT (lb) (± 3%)			
	LIFE CYCLE, IMMERSION AND CROSSLINKING PROOF TEST	COLD BEND	LIFE CYCLE, IMMERSION AND CROSSLINKING PROOF TEST	COLD BEND		
55FA0411-22-*	.500	1.00	.750	3.00		
55FA0411-20-*	.750	1.00	1.25	4.00		
55FA0411-18-*	1.00	1.50	1.75	4.00		
55FA0411-16-*	1.00	1.50	2.00	5.00		
55FA0411-14-*	1.00	1.50	2.00	5.00		
55FA0411-12-*	1.50	3.00	2.50	5.00		
55FA0411-10-*	1.50	3.00	2.50	5.00		
55FA0411-8-*	3.00	12.0	3.00	6.00		

*Raychem Trademark

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DIMENSIONS ARE IN INCHES, AND UNLESS OTHERWISE DESIGNATED ARE NOMINAL		Raychem
Page 1 of 3	THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR SID.	Paychsm Corporation 300 Constitution Drive, Menio Park, California 94025 (415) 381 3333 TWX 910 373 1728

Raychem SPECIFICATION CONTROL DRAWING	Page 2 of 3	SCD Number	55FA0411
		;	
WIRE RATINGS A	AND ADDITIONAL REC	UIREMENTS	
	•		
TEMPERATURE RATING: 150°C	,	н. -	
Maximum continuous conductor temperature			
VOLTAGE RATING: 600 volts (rms) at sea level			
ATTENUATION (INSERTION LOSS): See Page 3			
BLOCKING: $200 \pm 3^{\circ}$ C for 6 hours COLOR: Light violet preferred			
COLOR STRIPING DURABILITY: 125 cycles (250 strok	es) (minimum), 500 a s	weight	1
CONCENTRICITY: Primary Insulation - 50% (minimum)			
CROSSLINKING PROOF TEST (ACCELERATED AGING	3): 300 ± 3°C for 7 ho	urs	
FLAMMABILITY: 3 seconds (maximum); 3 in. (maximu			
HUMIDITY RESISTANCE: Insulation Resistance, 5000			
IDENTIFICATION DURABILITY: 125 cycles (250 strokes			
IMMERSION: Diameter increase 5% (maximum); no cra INSULATION ELONGATION AND TENSILE STRENGTH		reakdown	1
Primary Insulation, Filter Layer and Primary Jacket pu			1
Elongation, 50% (minimum)			
Tensile Strength, 3000 lbf/in ² (minimum)			
INSULATION FLAWS:			
Primary Insulation only			
Spark Test, 2.5 kV (rms), 60 Hz			· · ·
Impulse Dielectric Test, 6.0 kV (peak) Finished Wire			
Spark Test, 3.0 kV (rms), 60 Hz			
Impulse Dielectric Test, 8.0 kV (peak)			· · ·
INSUALTION RESISTANCE: 5000 megohms for 1000 f	t. (minimum)	· .	· · ·
INSULATION THICKNESS:	. ,		n de la companya de l Nome
Primary Insulation, .003 in. (minimum)			· · · · · · · · · · · · · · · · · · ·
Filter Layer, average .003 in. (minimum)			
Primary Jacket, .0035 in. (minimum)			
LIFE CYCLE: 200 $\pm$ 3°C for 168 hours LOW TEMPERATURE-COLD BEND: -65 $\pm$ 2°C for 4 ho	N HMB		
SHRINKAGE: 200 ± 3°C for 6 hours, 0.125 in. (maxim			
SMOKE: 200 $\pm$ 2°C, no visible smoke			
SURFACE RESISTANCE: 500 megohms-in. (minimum)	) initial and final readi	1gs	
THERMAL SHOCK RESISTANCE: 150 ± 3°C, .060 in.			
VOLTAGE WITHSTAND (POST-ENVIRONMENTAL): (A	fter Crosslinking Proo	Test, Immersion, Life Cycle	
and Low Temperature-Cold Bend)			
1500 volts (rms), 60 Hz WRAP TEST: 6 hours at 200 $\pm$ 3°C, no cracking			
PART NUMBER:			
The *** in the part number above shall be replaced by	color code designato	rs. Violet shall be light violet	
and the designator shall be 7L.		· ·	
Example: AWG 22, light violet: 55FA0411-22-7L			

: AWG 22, light violet: 55FA0411-22-7L AWG 22, light violet with blue stripe: 55FA0411-22-7L6



Pass band Transition band Stop band (dB/ft) (dB/ft) (dB/ft) Part no. 1.0 10.0 100 500 1000 1 to 12. Milz Milz Milz MIIz MIZ Gilz (max) (min) (max) (min) (min) (min) (min) 55FA0411-22 .04 .015 0.10 1.3 12 30 30 55FA0411-20 .015 .04 0.10 1.3 12 30 30 55FA0411-18 .015 .04 0.10 1.3 13 33 33 55FA0411-16 .015 33 .04 0.10 1.3 13 33 0.10 1.3 13 12 55FA0411-14 .015 .04 33 30 33 .015 .02 55FA0411-12 30 0.10 1.3 12 55FA0411-10 .015 .02 30 30 55FA0411- 8-* TBD TBD TBD TBD TBD TBD TBD

Attenuation (insertion loss) *

*THE PRIMARY WIRE OF THIS SPECIFICATION SHEET SHALL MEET THE ATTENUATION REQUIREMENTS SHOWN ABOVE ONLY WHEN USED AS A SINGLE COMPONENT IN A SHIELDED CABLE.