



# Raychem 8080 Vinyl Electrical Tape

## ALL-WEATHER INSULATING AND JACKETING TAPE

- 8.5 mil thickness
- Cold and weather resistant ~ High dielectric strength ~ Highly elastic
- Flame retardant
- Highly resistant to sun, water, oil, acids, alkalis, corrosive chemicals
- Meets ASTM Specification D-3005

**RECOMMENDED USES:** For general splicing. Provides primary insulation for splices at not more than 600 Volts. Use as a protective outer jacket. 8.5 Mil Cold Weather Tape is excellent for low temperature applications.

### STANDARD SIZES:

- 3/4 in. x 66 ft. 19 mm x 20 m
  - 1 1/2 in. x 66ft. 38 mm x 20 m
  - 1 1/2 in. x 108 ft. 38 mm x 33 m
- Other sizes available on request

### DESCRIPTION:

Raychem - CW Vinyl Electrical Tape is an all-weather, pressure sensitive, vinyl tape that gives complete electrical and mechanical protection for most general taping jobs with more dielectric protection than similar tapes. The method of bonding the adhesive to the vinyl prevents transfer and gives greater adhesive strength. Thin, tough and resilient, it can be stretched to conform easily without breaking. It is easily applied at low temperatures.

### SPECIFICATIONS:

PROPERTY	VALUE	UNIT	TEST METHOD
<b>PHYSICAL</b>			
Color	Black	-	-
Thickness	0.0085	inch	ASTM-D-1 000
	0.216	mm	ASTM-D-1 000
Tensile Strength	20	lb/in.	ASTM-D-1 000
Elongation	250	%	ASTM-D-1 000
Adhesion to Steel	20	oz/in.	ASTM-D-1 000
to Backing	20	oz/in.	ASTM-D-1 000
to Backing @ -7°C	50	oz/in.	ASTM-D-1 000
Unwind @ -7°C	113	second	ASTM-D-1 000
Flammability	4 max.	inch	ASTM-D-1 000
Flagging	0.10 max.	inch	
Temp. Rating			
Maximum	80	°C	USA
	105	°C	CANADA
Minimum	-10	°C	USA
	-18	°C	CANADA
<b>ELECTRICAL</b>			
Dielectric Strength			
Standard min.	11,000	Volts	ASTM-D-1 000
Wet min.	10,000	Volts	ASTM-D-1 000
Dielectric Constant	3.2	-	ASTM-D-150
Power Factor	0.01	-	ASTM-D-1 50
Insul. Resistance	1 x 10 <sup>6</sup>	megohms	ASTM-D-1 000

Data in table represent average test results and are not to be used for specification purposes. The product user should make his/her own tests to determine the product's suitability for the intended use.

**Tyco Electronics**  
 8000 Purfoy Road  
 Fuquay Varina, NC 27526  
 Tel: 800-327-6996  
 Fax: 800-527-8350