

# 3M

## Scotch™ 88T

### All Weather Vinyl Plastic Telephone Tape



#### Specifically Designed to Meet Telephone Industry Needs

3M brand Scotch™ 88T All Weather Vinyl Plastic Telephone Tape is specifically designed, formulated and made to meet the needs of the telephone industry. In fact, 88T meets the industry's full requirements for a vinyl plastic tape for general insulating, wrapping and splicing applications. This means you can use a tape that's perfectly balanced in physical and electrical properties while it offers the ultimate in holding, protecting and insulating. Even its "feel" has been designed with the craftsman's job in mind.

- All-weather conformability and protection – easy to work with and great protection no matter what the weather.
- Total insulation compatibility – works with any insulation or combination as well as cable non-reenterable encapsulating compounds.
- Flame retardant.

- Excellent abrasion and puncture resistance – 88T was made to be worked with before, during and after it's on the job.
- High tensile and mechanical strength – durability during and after application.
- Good elongation for conformability – performance for even the most irregular splices.
- Non-corrosive – use 88T anywhere.
- High dielectric strength.
- Great resistance to weathering, salt water, alkalies and acid.

#### It's the only tape you need...

You won't need to carry or store any other vinyl tape than Scotch brand 88T Tape because you can use it inside or outside plant for every general wrapping, terminating, splicing and insulating in any weather application.

## Ordering Information

3M brand Scotch™ 88T Tape is available in the following roll sizes:

3/4 in. x 36 ft. (19 mm x 11 m)

3/4 in. x 60 ft. (19 mm x 18 m)

1 in. x 36 ft. (25 mm x 11 m)

1 1/2 in. x 44 ft. (38 mm x 13.5 m)

## Scotch™ 88T All Weather Vinyl Plastic Telephone Tape

### Physical Specifications

	Value	Test Method
Backing	Polyvinyl chloride (PVC)	
Color	Black	
Thickness (mils)	8.5	ASTM D-1000
Adhesion to steel (oz./in.)		
a. 22° C (72° F)	25	ASTM D-1000
b. -18° C (0° F)	60	ASTM D-1000
Adhesion to backing (oz./in.)		
a. 22° C (72° F)	25	ASTM D-1000
b. -18° C (0° F)	60	ASTM D-1000
Tensile Strength (lbs./in.) at 22° C (72° F)	20	ASTM D-1000
Accelerating Aging	80%	ASTM D-1000
Elongation (% at break)		
a. 22° C (72° F)	250%	ASTM D-1000
b. -18° C (0° F)	100%	ASTM D-1000
Flammability	1 sec. 4 sec.	UL 510 ASTM D-1000
Temperature Rating		
a. Handling	80° C (176° F)	UL 510
b. Continuous Operation	-18° C (0° F) 105° C (220° F)	CSA C 22.2 No. 197– M1983 CSA C 22.2 No. 197– M1983

### Electrical Specifications

	Value	Test Method
Dielectric Breakdown (volts/mil)		
a. After standard conditioning	1100	ASTM D-1000
b. High Humidity	90% of standard condition	ASTM D-1000
Insulation Resistance (High Humidity Method)	1 x 10 <sup>6</sup> megohms	ASTM D-1000

Note: These are typical values and should not be used for specification purposes.

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3M Telecom Systems Division provides a wide range of innovative connecting, protecting and testing products that enable communications companies to assure signal quality over wire line, broadband and wireless networks. Call 800-426-8688 for a complete product catalog.

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### Telecom Systems Division

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