

Product Spotlight

ELECTRICAL TAPES AND WRAPS



Electrical Tapes



3M BRAND 33+ ELECTRICAL TAPE

- Use as a primary insulation for wire cable splices up to 600 volts and for fixture and wire splices up to 1 kV
- Flame retardant
- Hot and cold weather resistant
- Resists UV rays, abrasion, moisture, alkalis, acids and corrosion
- Meets requirements of ASTM D-3005 Type I, UL 510, HHI-595C and CSA C22.2
- Temperature Range: -18°C/0°F to +105°C/220°F
- MIL Thickness: 7



P/N 32199

3M BRAND SUPER 88 TAPE

- Extra thickness provides added electrical properties, quicker installation buildup and abrasion resistance
- Flame retardant
- Hot and cold weather resistant
- Resists UV rays, abrasion, moisture, alkalis, acids and corrosion
- Meets requirements of ASTM D-3005 Type II, UL 510, MIL-I-24391 and CSA 22.2
- Temperature Range: -18°C/0°F to +105°C/220°F
- MIL Thickness: 8.5



P/N 32880

GENERAL PURPOSE COLOR-CODED VINYL ELECTRICAL TAPE

- 3M 33+ Equivalent
- Ideal for color-coding all wiring and connections
- Excellent elongation, flexibility, strength and creepback
- U.L. Listed
- MIL Thickness: 7
- Elongation 150%



P/N 2189

P/N 2199

ALL WEATHER VINYL

- 3M Super 88 Equivalent
- Flame retardant
- Cold and weather resistant
- Superior adhesion
- Conforms to government specs MIL-I-24391A and HH-I-595C
- U.L. Listed, black vinyl
- Temperature Range: -10°F to +180°F
- MIL Thickness: 8.5
- Tensile Strength: 25 lbs. / inch
- Elongation 200%



P/N 2880

ELECTRICIAN'S DUCT TAPE

- Electrician's utility tape for holding and bundling applications
- No cloth – does not absorb water
- Water resistant
- Ideal for most electrical applications
- Tears easily and evenly by hand
- Comes off clean and leaves no sticky residue
- Temperature stable – will not melt in hot weather or fail to stick in cold
- MIL Thickness: 6 (.006")

P/N 32885



HIGH VOLTAGE LINERLESS RUBBER SPLICING TAPE

- Linerless, self-bonding primary insulating tape for low and high voltage (through 69 kV) applications
- High thermal conductivity
- Flame retardant
- Excellent physical and electrical properties which are unaffected by degree of stretch
- Compatible with common solid dielectric cable insulation
- Uniform tape unwind from roll
- Weather resistant

APPLICATIONS:

- Primary insulation for splicing all types of solid dielectric insulated cables through 69 kV
- Primary insulation for building stress cones on all types of solid dielectric insulated cables up to 35 kV
- Jacketing (secondary insulation) on high-voltage splices and terminations
- Moisture-sealing electrical connections
- Bus bar insulation
- End-sealing high-voltage cables
- Motor leads
- Jacket repairs

SPECIFICATIONS:

Color: Black
 Thickness: 30 MILS (0.762mm)
 ASTM D-4325
 Tensile Strength: 250 PSI (1.72 MPa)
 ASTM D-4325
 Ultimate Elongation: 1000%
 ASTM D-4325
 Operating Temperature: 90°C (194°F)
 ASTM D-4388
 Emergency Overload: 130°C (266°F)
 ASTM D-4388
 Thermal Resistivity: 300°C (572°F)
 Dielectric Strength: 750V/mil
 ASTM D-4325
 Insulation Resistance: >10⁹M ohms



P/N 2889

GENERAL PURPOSE LINERLESS RUBBER SPLICING TAPE

- Highly conformable, linerless EPR (Ethylene Propylene Rubber) based electrical insulating tape
- Weather resistant and flame retardant
- Physical and electrical properties unaffected by degree of stretch
- No loss of electrical characteristics
- Linerless self-bonding primary insulating tape

APPLICATIONS:

- Primary insulation for cable splices and terminations
- Moisture sealing and insulating electrical connections and cable ends
- Bus bar insulation
- Motor leads
- Wire and cable jacket repairs

SPECIFICATIONS:

Color: Black
 Thickness: 30 MILS (0.762mm)
 ASTM D-4325
 Tensile Strength: 250 PSI (1.72 MPa)
 ASTM D-4325
 Ultimate Elongation: 1000%
 ASTM D-4325
 Operating Temperature: 90°C (194°F)
 ASTM D-4388
 Emergency Overload: 130°C (266°F)
 ASTM D-4388
 Thermal Resistivity: 300°C (572°F)
 Dielectric Strength: 750V/mil
 ASTM D-4325



P/N 2891

Electrical Wraps

LECTRO-SEAL 350

- Permanently seals, waterproofs and insulates electrical connections or other equipment
- Impervious to water, salt water and soil chemicals
- Permanently adheres to itself, cable insulation and metals creating a positive, watertight seal – Contours easily to any shape
- Indefinite life expectancy helps ensure power quality
- Dielectric strength >500 volts/mil
- Temperature Range: -40°F to +194°F
- Saves time and labor costs

APPLICATIONS: Insulates cable connections • Seals around underground vaults and hand holes • Meter enclosures • Switchgears
 • Cover exposed URD cable ends • Seal jacketed, concentric neutral URD cables at elbow terminations or splices • Service entrances
 • Animal guard • Riser pole conduit seal • Insulate and waterproof overhead connections



3-3/4" x 10'
P/N 2893

LECTRO-SEAL 600

- Self-fusing, rubber based insulation compound laminated to a flexible, all weather grade vinyl (PVC) backing
- Designed to insulate, moisture seal and pad all connections up to 600 volts
- Excellent resistance to abrasion, moisture, alkalies, acid copper corrosion and varying weather conditions
- PVC backing
- Dielectric Strength: >300 volts/mil
- Temperature Range: 0°F to 100°F
- Elongation 200%

APPLICATIONS: Bolted connections • Terminal protection • Insulation displacement connectors • Lighting connections

2-1/2" x 2-1/2"
(20 pcs)
P/N 2892



2-1/2" x 10'
P/N 2898

FUSION SEAL™ ELECTRICAL WRAP

- Weather, chemical, fire and salt water resistant
- Form fitting electrical insulator
- Self-adhering (bonds only to itself), providing a tight seal
- Applies with no heat or adhesives, leaves no sticky residue
- Dissipates heat twice as fast as ordinary wraps
- Will never crack & can stretch to 3 times its length
- Dependable insulating integrity in areas of consistent high heat and humidity
- Can be applied and used underwater

SPECIFICATIONS:	
Material	High-grade silicone
Temperature Range	-54°C to +260°C (-65°F to +500°F)
Dielectric Strength	min. 0.030" 400 Vpm
Dielectric Constant, 1 KHz	2.95
Volume Resistivity	3x10 ¹⁴ Ohm/cm
Water Absorption	3% max by weight
Tensile Strength	700 psi min.
Elongation	300% min.
Military Spec.	MIL 1-46852C Type I & II

(1" x 30 MIL x 36')

P/N 28993 (CLEAR)

P/N 2899 (RED)

P/N 28991 (BLACK)

P/N 28992 (GRAY)



APPLICATIONS: Electrical insulation and cable harnesses • Hose repairs • Bus bars • Ignition cables • Split bolts

• Wire, cable splice seals • Economical substitute for heat shrink tubing and hot air ducting • Electric motors • High voltage rotating apparatus

REINFORCED FUSION SEAL™ WRAP

- Same as Fusion Seal™ Electrical Wrap except it is reinforced with high tensil fibers
- Fibers enable the wrap to hold better against higher pressures and temperatures
- Water and chemical resistant, including oils, antifreeze, mild caustics, detergents, fertilizer, herbicides, pesticides

APPLICATIONS: Use on pipe, hose, and potable water lines

SPECIFICATIONS:	
Material:	Fabric reinforced silicone rubber
Temperature range:	-65°F to 500°F (-54°C to +260°C)
Dielectric Strength:	500 volts per mil
Thickness:	.020 +/- .020
Width:	1" +/- .032
Strength capabilities:	25%
Military Spec.	MIL-I-2244C

P/N 28988 (RED)

(1" x 10')

P/N 28989 (BLACK)



ULTRA WRAP FUSION REPAIR TAPE

- Chemically fuses to form a water-tight bond
- No heat or flame required
- Resistant to water immersion, ozone, dilute corrosives and most chemicals
- Ideal for insulating, sealing and protecting
- Will not transfer adhesive – Leaves underlying surface tack free

APPLICATIONS: High voltage cable, truck/auto battery cable, telephone cable

• Sealing and protection in non-electrical applications

SPECIFICATIONS:	
Material:	Ethylene propylene rubber
Thickness	0.50mm (0.020 inches)
Tensile Strength	450 psi min.
Elongation at Break	600%
Ozone Resistance	Pass
Dielectric Strength	500 Vpm
Temperature Range	-40°C to 90°C Up to 130°C for limited periods during overload conditions
ASTM	D1373-70

1" x 10'
P/N 2879



TUFF SKIN PROTECTIVE WRAP

- Repairing and splicing electrical cables
- Insulating and sealing protection
- Protection for cable and hose cuts
- Weather and moisture protection
- Flexible and tough

APPLICATIONS: Fleet • Military • Municipalities • Machine shop • Railroads • Marinas • Construction • Farming

Kit – 1" x 6'
with
Amalgamating Tape
P/N 32872



1" x 25'
P/N 32873*



* Fusion repair tape P/N 2879 or Fusion Seal Wrap P/Ns 28988-28989, must be used to seal ends of Tuff Skin Protective Wrap (See above).