

## ES7889-1 / ES7889-2 -01 through -21 - Type I & Type II

### Systems & Electronics Equivalent Silicone Rubber Self Adhering Electrical Insulating Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

*Self Binding / Self-Fusing / Self Amalgamating Tape - High Temperature, Heat & Flame Resistant*



- Self-bonds / self fuses / self amalgamating tape. No residue when removed. Starts fusing within minutes; fully bonded within hours. Excellent cold temperature performance. Low water absorption.
- Tested to:
  - ASTM D 149; provides minimum 400 V/mil. for .010" to .030" thick tape, 300 V/mil for .040" thick tape and 250 V/mil for .060" thick tape.
  - ASTM D 412; provides minimum 700 psi tensile strength and minimum 300% elongation.
  - ASTM D 2240; Durometer (Shore A); 55. Other test data available.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets Mil-I-46852, AA59163 and ABS 5334 specifications. Certificate of Conformity available.
- Amalgamating time: Room temperature; 24 hours / at 120°C; 120 minutes / at 150°C; 35 minutes / at 200°C; 20 minutes / at 250°C; 15 minutes. Tested for short duration fluid resistance: Jet Fuel (JP5), Hydraulic Fluid (Skydrol 500B4), Mineral Oil (NATO 0142), Synthetic Oil (NATO 0156), MIL-C-87836 & Foran 141B cleaning fluids, MIL-A-8243 cooling fluid.

These tapes are guaranteed to meet specification for 1 year from date of manufacture providing tapes are stored dry at 21°C +/- 3°C or 70°F +/- 5°F. Standard tapes have an interleaved liner of polyethylene. Polyester liner available.

Type II tapes have a center guideline stripe to assist in making 50% overwraps. The triangular profile version tape allows for minimal ridge lines, providing wire and cable splices and joints with an almost totally smooth surface (prevents snagging when splice is pulled through obstructions).

**Systems & Electronics ES7889 Type I & Type II Equivalent  
High Temperature Silicone Rubber Self Adhering Electrical Tape  
Meets all ES7889 Specifications**

Part Number	Tape Width, inches	Thickness, inches	Color / Type
ES7889-2R01 / ES7889-2B01	1.00"	0.020"	Red or Black / Type II
ES7889-2R02 / ES7889-2B02	1.00"	0.030"	Red or Black / Type II
ES7889-2R03 / ES7889-2B03	1.00"	0.040"	Red or Black / Type II
ES7889-2R04 / ES7889-2B04	1.25"	0.050"	Red or Black / Type II
ES7889-2R05 / ES7889-2B05	1.50"	0.060"	Red or Black / Type II
ES7889-2R06 / ES7889-2B06	1.50"	0.080"	Red or Black / Type II
ES7889-1R07 / ES7889-1B07	0.50"	0.020"	Red or Black / Type I
ES7889-1R08 / ES7889-1B08	0.75"	0.040"	Red or Black / Type I
ES7889-1R09 / ES7889-1B09	1.00"	0.040"	Red or Black / Type I
ES7889-1R10 / ES7889-1B10	1.25"	0.020"	Red or Black / Type I
ES7889-1R11 / ES7889-1B11	1 ½"	0.012"	Red or Black / Type I
ES7889-1R12 / ES7889-1B12	2"	0.020"	Red or Black / Type I
ES7889-1R13 / ES7889-1B13	2"	0.020"	Red or Black / Type I
ES7889-1R14 / ES7889-1B14	1.00"	0.020"	Red or Black / Type I
ES7889-1R15 / ES7889-1B15	1.25"	0.020"	Red or Black / Type I
ES7889-1R16 / ES7889-1B16	1.50"	0.020"	Red or Black / Type I
ES7889-1R17 / ES7889-1B17	0.50"	0.030"	Red or Black / Type I
ES7889-1R18 / ES7889-1B18	0.75"	0.030"	Red or Black / Type I
ES7889-1R19 / ES7889-1B19	1.00"	0.030"	Red or Black / Type I
ES7889-1R20 / ES7889-1B20	1.25"	0.030"	Red or Black / Type I
ES7889-1R21 / ES7889-1B21	1.50"	0.030"	Red or Black / Type I

**Guideline Color on Type II Triangular Tapes Only:** .020" = blue / .030" = white / .040" = green  
Type II edge thickness is .008" +/- .001"

**Please enquire for pricing on widths and thicknesses other than those listed above.**

- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available.
- For the X value (color code): R = Oxide-Red, B = Black. Other colors available.
- Certificate of Conformity: Add \$6.00 for individual roll CoFC. Lot/Batch CoFC \$12.00 per order line item.
- Test Report: Add \$150.00 per order line item.

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