



Conductive Tape

High-Flex® Conductive Fabric Shielding Tape

High-Flex® conductive fabric shielding tapes offer exceptional conformability and conductivity for dynamic flex applications. High-Flex® tapes are constructed of Electron® nickel/copper metallized ripstop or plain weave fabric with a pressure sensitive adhesive (PSA). This reliable tape design provides outstanding shielding performance while offering superior abrasion and corrosion resistance under high dynamic flex conditions.

The proprietary anti-fray coating of High-Flex® EMI shielding tapes virtually eliminates concerns of loose conductive fibers and their potential to cause board level damage. Other significant advantages over other fabric and foil shielding tapes include:

- Thinner design provides superior flexibility and durability.
- High conductivity and shielding effectiveness.
- Adhesive system provides high peel strength.
- Easy die-cutting and processing.
- Superb adhesion of nickel copper plating.
- Eliminates the potential of injury due to the sharp edges of metal foil tapes.

High-Flex® EMI shielding tape is available in standard roll widths from 0.394" (10 mm) to 1.969" (50 mm) in 0.197" (5 mm) increments and roll lengths of 65.62' (20 M). Master rolls are available in sizes up to 1.4 meter widths and 300 meter lengths. For your unique design requirements, custom die-cut parts are also available.

Some typical applications for High-Flex® EMI shielding tapes include:

- Shielding cables on notebook computers, copiers or other electronic equipment.
- "Fix-it" applications in test laboratories.
- Shielding over a component in which high conformability is essential.
- Shielding or grounding in weight sensitive applications.
- Shielding or grounding for electronic equipment where vibration may be present during operation.

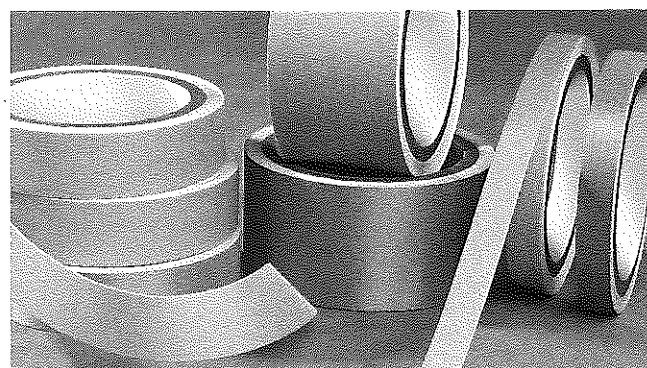
Tape Construction

Carrier	Electron® Nickel Copper Ripstop Fabric (1A) Electron® Nickel Copper Ripstop Fabric (2T) Electron® Metallized Nickel Copper Plain Weave Fabric (2Z)
Adhesive	High Strength Pressure Sensitive Acrylic Adhesive
Liner	Kraft Paper

Performance Characteristics

	High-Flex® Tape 1A = Nickel Copper Ripstop Fabric	High-Flex II® Tape 2T = Nickel Copper Ripstop Fabric 2Z = Nickel Copper Plain Weave Fabric
Tape Thickness	0.004 to 0.005 inches (0.10 mm to 0.13 mm)	0.003 to 0.005 inches (0.08 mm to 0.13 mm)
Liner Thickness	0.005 to 0.006 inches (0.13 mm to 0.15 mm)	0.003 to 0.004 inches (0.08 mm to 0.10 mm)
Break Strength (ASTM 5035)	50 lb./in. (856/100 mm)	50 lb./in. (856/100 mm)
Weight (LT 500)	2.3 to 3.0 oz./sq. yard (78.0 to 118.7 grams/sq. Meter)	2.3 to 3.0 oz./sq. yard (78.0 to 118.7 grams/sq. Meter)
XY Sheet Resistivity (ASTM F390)	Below 0.08 ohms/sq. (Typically 0.03 ohms/sq.)	Below 0.05 ohms/sq. (Typically 0.02 ohms/sq.)
Peel Strength (ASTM D330 & PSTC-1)	48 oz./in. (52 N/100 mm)	54 oz./in. (59 N/100 mm)
Abrasion Resistance (ASTM D3886)	> 1,000,000 Cycles	> 1,000,000 Cycles
Temperature Range	-40 °F to 212 °F (Min/Max) (-40 °C to 100 °C)	-40 °F to 212 °F (Min/Max) (-40 °C to 100 °C)
Shielding Effectiveness per Mil-Std-285 (Mod.)	> 70 dB up to 18GHz	> 70 dB up to 18GHz

All dimensions shown are in inches (millimeters) unless otherwise specified.



Ordering Information:

Digits: 1 2 3 4 5 6 7 8 9 10 11
1 A 0 2 5 0 R 0 2 0 0

Digits 1 and 2:

Designate conductive tape product line and fabric options:
1A = Nickel Copper Ripstop Fabric
2T = Nickel Copper Ripstop Fabric
2Z = Nickel Copper Plain Weave Fabric

Digits 3 through 6:

Designate width in millimeters to one decimal place. (i.e., in the above example, the 0250 indicates a 25 mm wide roll).

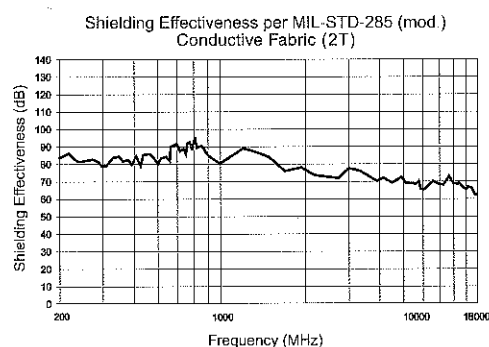
Digit 7:

Designates the form the tape is provided in:
R = Roll K = Kiss-Cut in Pieces P = Pieces

Digits 8 through 11:

Designate the roll length in meters to one decimal place (i.e., in the above example 0200 indicates a roll length of 20 meters).

Shielding Effectiveness





Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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