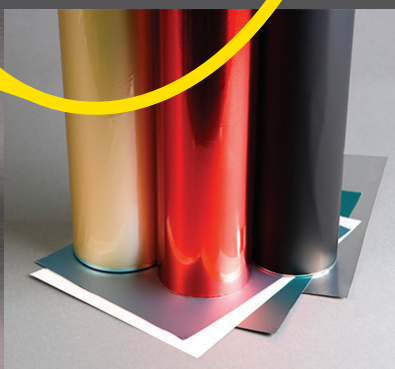




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## Copper Polyester Laminate 20/23

<b>Product:</b>	<b>Copper Polyester Laminate - 20/23</b>		
<b>Type:</b>	<b>Laminate</b>		
<p>CU/PET Tape is constructed of a soft copper foil laminated to a polyester film. This product is typically utilised as a shielding layer in communication cables.</p>			
<b>Properties</b>		<b>Test Method</b>	<b>Metric Values<sup>1</sup></b>
Copper Thickness			20um Copper Foil
Adhesive			3um Adhesive
Polyester Thickness			23um Polyester Film
<b>Physical:</b>			
Adhesive Colour			Clear
Total Thickness			46um
Yield		Calculated	213g/m <sup>2</sup>
Density		Calculated	4.63g/cm <sup>3</sup>
<b>Mechanical:</b>			
Tensile Strength (MD)		ASTM D-882	≥ 120 N/mm <sup>2</sup>
Elongation (MD)		ASTM D-882	≥70%
Breaking Strength (MD)		ASTM D-882	≥ 55 N/cm
Elongation at Metal Break (MD)		ASTM D-882	≥15%
<b>Electrical:</b>			
Conductivity (Copper)		supplier data	58.0-58.9 MS/m
Resistivity (Copper)		supplier data	1.70-1.72 μΩ.cm
Dielectric Strength of Film		supplier data	≥ 4kV

**Note:**

<sup>1</sup> Values are typical laboratory averages. The results should therefore only be regarded as a general guide to material properties and not as design data. Multapex Pty Ltd makes no representations as to the suitability of this material for any application. Customers must conduct their own testing for each specific application.

**Caution:**

Do not use in medical applications involving the permanent implantation in the human body. For other medical applications please review with Multapex Pty Ltd. Multapex Pty Ltd accepts no liability for use of its products in medical applications. Multapex Pty Ltd supplies products to an agreed specification and does not manufacture products designed specifically for medical end use.

## Copper Polyethylene Laminate 100/50

<b>Product:</b>	<b>Copper PE Laminate - 100/50</b>		
<b>Type:</b>	<b>Laminate</b>		
CU/PE Tape is constructed of a soft copper foil coated with an ethylene copolymer on one side. This product is typically utilised as a moisture barrier in cable applications.			
<b>Properties</b>		<b>Test Method</b>	<b>Metric Values<sup>1</sup></b>
Copper Thickness			100um RA Copper Foil
Film Thickness			50um EAA Copolymer
<b>Physical:</b>			
Total Thickness			150um
Yield		Calculated	930g/m <sup>2</sup>
Density		Calculated	6.20g/cm <sup>3</sup>
<b>Mechanical:</b>			
Tensile Strength (MD)		ASTM D-882	≥ 133 N/mm <sup>2</sup>
Elongation (MD)		ASTM D-882	≥20%
Breaking Strength (MD)		ASTM D-882	≥ 200 N/cm
<b>Electrical:</b>			
Conductivity (Copper)		supplier data	58.0-58.9 MS/m
Resistivity (Copper)		supplier data	1.70-1.72 μΩ.cm
<b>Thermal:</b>			
<b>Sealing Conditions:</b>			
Temperature			130 °C
Pressure			20 PSI
Time			5 Sec
Copol/Copper in peel			≥ 400 N/m
Sealing Temperature Range			110-140 oC

### Note:

<sup>1</sup> Values are typical laboratory averages. The results should therefore only be regarded as a general guide to material properties and not as design data. Multapex Pty Ltd makes no representations as to the suitability of this material for any application. Customers must conduct their own testing for each specific application.

### Caution:

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## Copper Polyethylene Laminate 150/50

<b>Product:</b>	<b>Copper PE Laminate - 150/50</b>		
<b>Type:</b>	<b>Laminate</b>		
CU/PE Tape is constructed of a soft copper foil coated with an ethylene copolymer on one side. This product is typically utilised as a moisture barrier in cable applications.			
<b>Properties</b>		<b>Test Method</b>	<b>Metric Values<sup>1</sup></b>
Copper Thickness			150um RA Copper Foil
Film Thickness			50um EAA Copolymer
<b>Physical:</b>			
Total Thickness			200um
Yield		Calculated	1380g/m <sup>2</sup>
Density		Calculated	6.90g/cm <sup>3</sup>
<b>Mechanical:</b>			
Tensile Strength (MD)		ASTM D-882	≥ 130 N/mm <sup>2</sup>
Elongation (MD)		ASTM D-882	≥30%
Breaking Strength (MD)		ASTM D-882	≥ 300 N/cm
<b>Electrical:</b>			
Conductivity (Copper)		supplier data	58.0-58.9 MS/m
Resistivity (Copper)		supplier data	1.70-1.72 μΩ.cm
<b>Thermal:</b>			
<b>Sealing Conditions:</b>			
Temperature			150 °C
Pressure			20 PSI
Time			5 Sec
Copol/Copper in peel			≥ 400 N/m
Sealing Temperature Range			110-140 oC

**Note:**

<sup>1</sup> Values are typical laboratory averages. The results should therefore only be regarded as a general guide to material properties and not as design data. Multapex Pty Ltd makes no representations as to the suitability of this material for any application. Customers must conduct their own testing for each specific application.

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**General:**

In addition to the above Multapex Pty Ltd's standard "Terms & Conditions of Trade" apply. A copy can be provided on request.



## About Us

Multapex is an Australian business which utilises flexible materials to create unique solutions for our customers.

We are passionate about working with you to gain a deep knowledge of your application and tailoring a product to match. With over 40 years' experience, we can be trusted to collaborate with your team and deliver.

Multapex was founded in 1976 with a 'customer first' philosophy. Today this focus permeates our organisation as we continually strive to create value for our clients.

## Our Values

### Knowledge

We invest time and resources to acquire knowledge across all areas of our business – customers, suppliers, industries, materials, processes, next-gen, education.

### Precision

We are precise and detail orientated in everything we do – conversion, processes, systems, delivery, interactions, finances.

### Flexibility

We are flexible in our approach and mindset which allows us to solve whatever challenge is presented to us.

### Dedication

We are committed to pursuing every opportunity and challenge with zeal to achieve the desired result.



**Get in touch**

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