



Coating Tomorrow's Innovations

Metallic Fibers (Steel)

Trelleborg offers a wide variety of substrates, providing a myriad of possibilities to expertly pair material properties to customers' specific applications needs. Our substrates can be knitted, woven or non-woven depending on the specific performance attributes required for a given application.



Metallic fibers, most notably gold and silver, have been in use since ancient times to decorate clothing and furnishings. These fibers can be bundle drawn from larger diameter wire, cast from molten metal, or grown around a carbon seed.

Metallic fibers are used to keep the world connected in:

- Phone lines
- Broadband
- TV cables

Properties	Value
Tensile Strength (MPa)	2750
Elongation at Break (%)	2.5
Specific Gravity	7.85

Substrate/Fiber Characteristics

- High tenacity and low elongation at break
- Electrically conductive and thermal resistant

Common Substrate/Fiber Uses

Industrial products, tire cord, hoses, and conveyor belts



At Trelleborg, our eyes are on tomorrow as our in-house expert technical teams work in partnership with an increasing range of customers to bring industry-changing ideas to actualization with coated materials- whether it's your concept or ours.
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