

# Roblon Lightline®

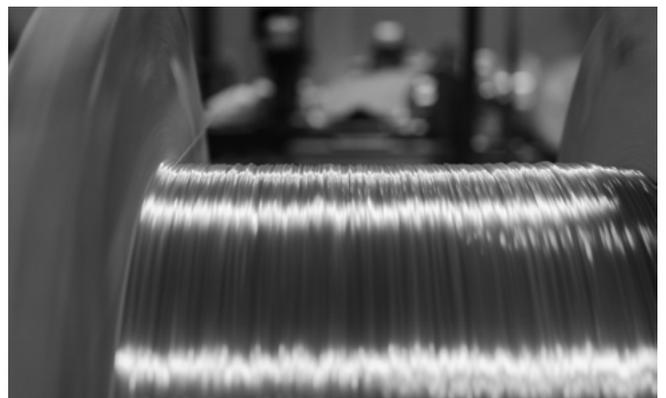
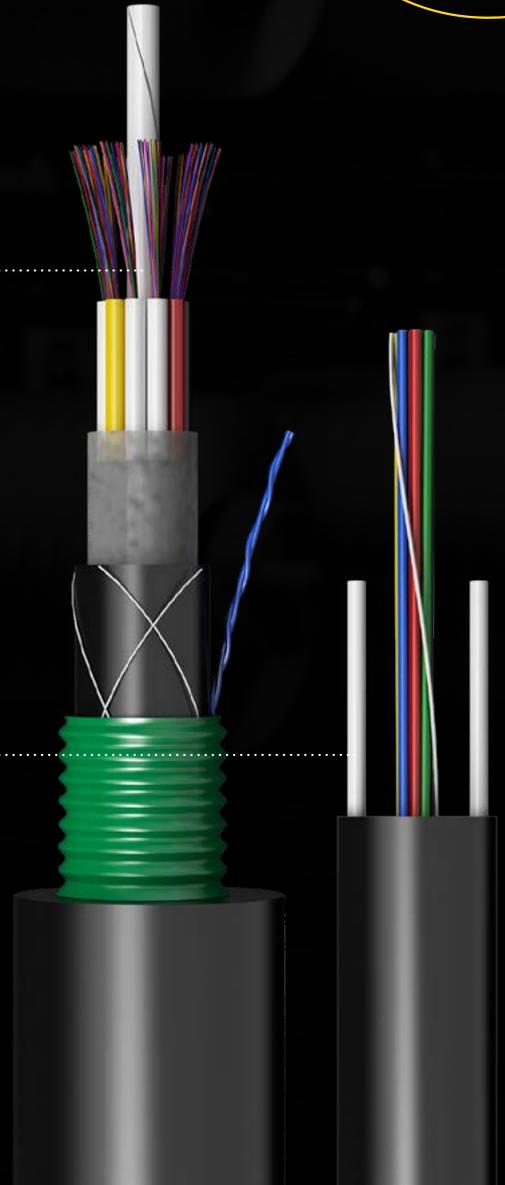
For over 30 years the team in Granite Falls, NC has continued to lead the industry in innovation with LIGHTLINE® GRP (glass reinforced polymer) central strength member. With the flexibility to add specialty coatings to the GRP such as water swellable, EAA for adhesion promotion, up jacketing with polyethylene, or others – Roblon is your top source for central strength member needs.

Roblon LIGHTLINE® is manufactured with ISO 9001 quality standards and surpasses the competition with a level of consistency and reliability that will improve cable throughout and productivity in the cable manufacturing process.

- Consistent diameter control
- Sizes available: 0,90 mm - 5,00 mm
- Round, flat, oval and other geometry available

Lightline/Lightline Instantdry

Lightline Tackybond/Lightline Instantbond



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**Roblon**

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## Coated for your application

Roblon LIGHTLINE® GRP is available with specialty coatings to meet your specific cable design needs. Water blocking, EAA, Bond/Release, as well as PE upjacketed material is available.

Fiber Type	E glass
Resin Type	UV cured Polyester
Fiber %	80 % ±5
Resin %	20 % ±5
Standard Diameter Tolerance	±5%
Thermal Resistance	100 x diameter, 5 days, 100°C
Tensile Strength	>1.2 GPa
Modulus of Elasticity	>50 GPa
Flexural Modulus	>48 GPa
Elongation at Break	>2.5%
Minimum Bend Diameter	40 x diameter

*“Smooth payoff, consistent diameter control, superior tensile and environmental performance, un-matched adhesion performance (EAA)”, are just a few of the compliments regularly given by cable manufacturing Engineers and Operators that use Roblon LIGHTLINE®. “When you purchase Roblon LIGHTLINE® you know what you are getting --- you are getting the best in the business!”*

## Lightline

LIGHTLINE is the material known as the “standard” of the FOC industry for rigid strength members. With consistent diameter control, strength performance and flexibility characteristics that meet and exceed cable design applications. When using LIGHTLINE GRP you have utilized the best in the business and can rest assured that you will meet the demands of the elements. LIGHTLINE GRP protects your information highway.

## Lightline Instantdry

Roblon’s LIGHTLINE INSTANTDRY® GRP has water uptake features of 90% of original weight. INSTANTDRY® can be added to GRP sizes 0.90mm-5.00mm.

The final GRP diameter (with INSTANTDRY® coating) is base GRP plus 0.10mm. Example: LIGHTLINE INSTANTDRY® 220 has a nominal base rod diameter of 2.20mm and a nominal final product diameter of 2.30mm.

- Used to pass Telecordia GR20 requirements
- Bonded SAP coating to GRP to eliminate powder build up during processing
- Eliminates need for cable flooding compounds

## Lightline Tackybond

Roblon TACKYBOND is a unique bonding promoter with the ability to bond and release with physical tack. No chemical bonds are formed between substrates of GRP and other cable components.

The final GRP diameter (with TACKYBOND coating) is base GRP plus 0.03mm. Example: LIGHTLINE TACKYBOND 190 has a nominal base rod diameter of 1.90mm and a nominal final product diameter of 1.93mm.

## Lightline Instantbond

Roblon INSTANTBOND is the industry leading GRP coated with EAA (Ethylene Acrylic Acid) to promote adhesion to upjacket substrates. In addition, the GRP is super smooth for operator friendly handling and reduced fiber buildup during processing.

The final GRP diameter (with INSTANTBOND coating) is base GRP plus 0.10mm. Example: LIGHTLINE INSTANTBOND 290 has a nominal base rod diameter of 2.90mm and a nominal final product diameter of 3.00mm.