

Coats® Gotex StremX™ HY

Gotex StremX HY Series is a new generation of high performance yarns for use as strength members in fibre optic cables.

StremX HY is a mix of organic and inorganic fibres with excellent flexibility which allows a good connectorisation. Outstanding mechanical properties and creep performance.

COATS
gotex stremX
HY

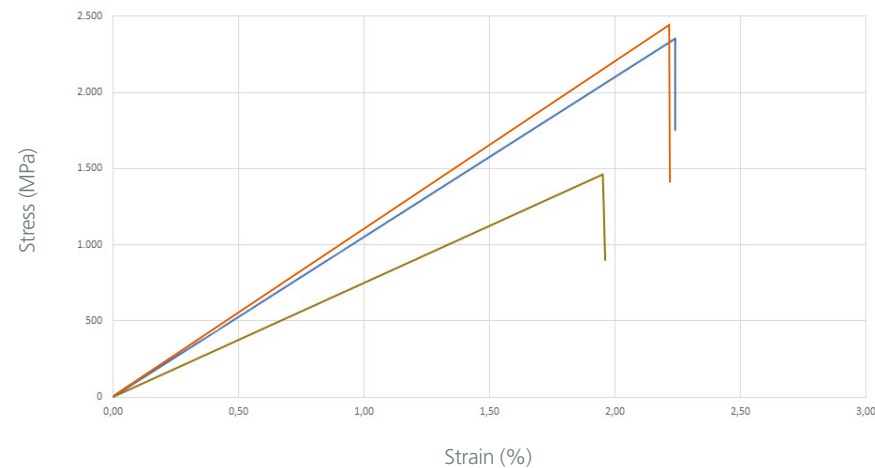


STRENGTH
MEMBER

WHY CHOOSE COATS GOTEX STREM X HY?

- **High Young's Modulus:** Strand tensile modulus of StremX HY is up to 35% higher in comparison with fibre glass yarn.
- **High Tensile Strength:** Strand tensile strength of StremX HY is twofold than fibre glass yarn.
- Outstanding flexibility.
- Better Impact Resistance and Fatigue Resistance: Impact resistance and fatigue resistance of StremX HY yarn has been greatly improved in comparison to standard fibre glass yarn. This feature can provide higher reliability, longer service life and lower maintained cost.
- Allows a good connectorisation.
- Exceptional stress resistance over long periods of time, increasing reliability of fibre optic cable.

STRESS VS STRAIN PERFORMANCE



- High Modulus Aramid
- StremX HY
- Fibreglass



Coats Gotex StremX HY

FIBRE FEATURES:

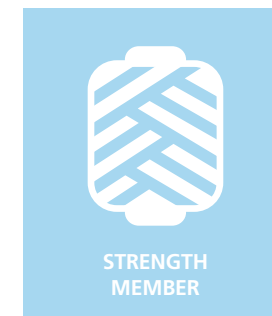
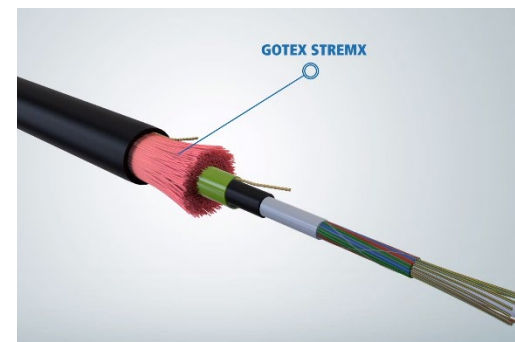
- Premium quality raw material
- Allows a good connectorization

FIBRE PERFORMANCE:

- All dielectric
- High flexibility, with perfect adaptation to cable cross sections
- Excellent static and dynamic mechanical properties

MAIN USES

- Outdoor cables:
 - Buried cables
 - Aerial cables
- Fibre optic cables:
 - Strength Member



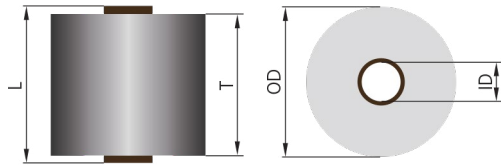
PRODUCT RANGE

Product	Tex	Young Modulus GPa	Tensile Strength N	Elongation at break %	Lase 0.5% N	Lase 1.0% N
StremX HY 350	361	104	375	2.0	90	180
StremX HY 450	462	98	395	1.9	110	220
StremX HY 600	622	105	640	1.9	175	345
StremX HY 900	930	85	850	2.1	200	400
StremX HY 1200	1250	88	1350	2.3	300	600
StremX HY 1800	1850	85	1700	2.2	400	800



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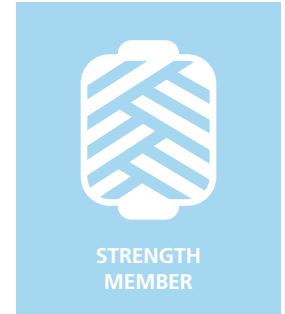
PACKAGING OPTIONS



Tube Ref.	I.D.	Length	Traverse	Max. O.D.	Surface
T77x272	77mm	272mm	250mm	300mm	Rough
T94x215	94mm	215mm	195mm	300mm	Rough
T94x290	94mm	290mm	250mm	300mm	Rough
T107x215	107mm	215mm	195mm	300mm	Rough
T127x215	127mm	215mm	195mm	300mm	Rough & Sliced

FIBRE PACKING:

- Pressed and precision wound, guarantees high-speed serving during cable jacketing
- Tailored spools offering by exact metres or diameter
- Yarn queue is identified with a label for easy processing
- Plastic bag in each package: keeps the yarn in perfect shape for usage, even if stocked for long periods
- Textured cardboard surface to prevent yarn slipping through the tube
- Automatic label generation, allows to trace the whole process
- Each batch is delivered with a Quality Certificate of properties



Coats Gotex StremX HY

EXPERT REAL WORLD SUPPORT

The final cost of any product also includes hidden costs, fuelled by the methods and tools applied to it. Our experts know exactly how to reduce those costs, save time and increase productivity.



One to One Visits

There's no need to come to us, our experts will travel to your site. In person, online or via the phone, our trained consultants deal with the kind of issues any busy factory may face, providing a solution for today and a blueprint for future efficiency.



Training and Presentations

From product selection to solutions for common production issues, we take the learning gathered through years of hands on experience and present it in the form of high impact seminars, workshops and presentations.

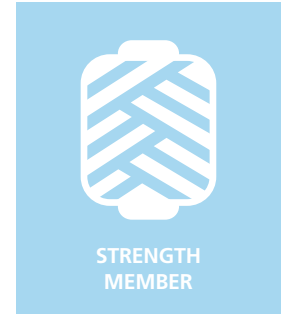


Innovation Hub

Collaborate directly with expert R&D technologists at our Innovation Hub to create pioneering and tailored solutions for products ranging from Performance Materials to Apparel and Footwear. Equipped with state-of-the-art technology, we quickly turn ideas into prototype designs ready for manufacturing.

To drive your hidden costs down, talk to Coats. From product audits in pre-production to the latest technical bulletins, we'll provide support that achieves measurable results.

For more information, talk to your Coats representative today or visit www.coats.com/gotex-stremx



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