

Coats® Gotex StremX™ UHM UBC

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

This new and innovative product has an unique coating specifically engineered to provide exceptional mechanical performance. In addition, a super-absorbent coating offers high-swell properties and prevents water penetration into the core of the cable.

COATS
gotex stremX
UHM UBC

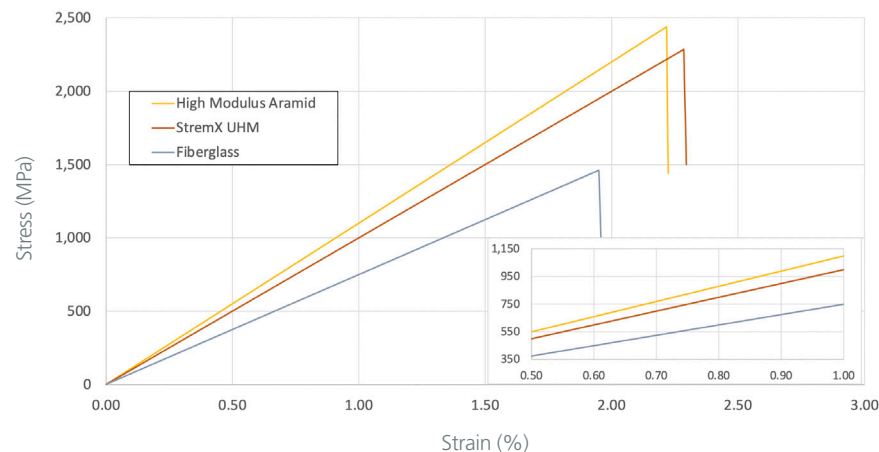


STRENGTH
MEMBER

WHY CHOOSE COATS GOTEX STREM X UHM UBC?

- **High Young's Modulus:** Strand tensile modulus of StremX UHM UBC is **up to 25% higher** in comparison with Gotex standard fibre glass yarn obtaining similar values as high modulus aramid yarn.
- **High Tensile Strength:** Strand tensile strength of StremX UHM UBC fibre is **up to 35% higher** than Gotex standard fibre glass yarn.
- Outstanding flexibility.
- Better Impact Resistance and Fatigue Resistance: Impact resistance and fatigue resistance of StremX UHM UBC yarn has been greatly improved in comparison to Gotex standard fibre glass yarn. This feature can provide higher reliability, longer service life and lower maintained cost.
- Excellent High Temperature Resistance and Corrosion Resistance: This feature provides this composite product an excellent adaptability in a variety of harsh environments.
- High swelling properties and fast swelling speeds

STRESS VS STRAIN PERFORMANCE



Coats Gotex StremX UHM UBC

FIBRE FEATURES:

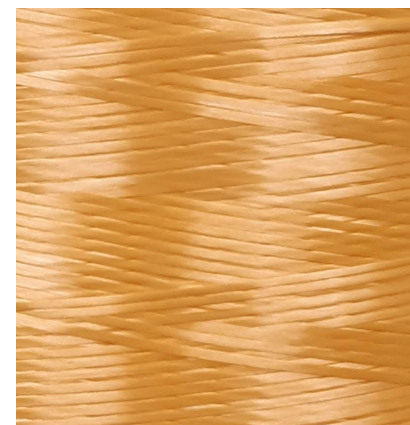
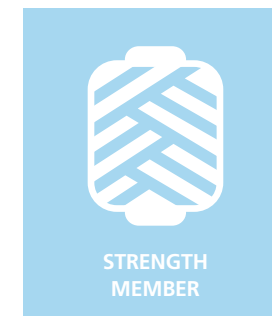
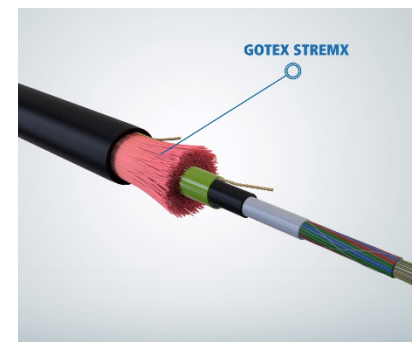
- Premium quality raw material
- Flexible and protective polymer coating
- Low shed water blocking coating

FIBRE PERFORMANCE:

- All dielectric
- High flexibility, with perfect adaptation to cable cross sections
- Fire-proof and rodent-proof
- Excellent static and dynamic mechanical properties
- Excellent water absorption properties

MAIN USES

- Outdoor cables:
 - Buried cables
 - Aerial cables
- Fibre optic cables:
 - Strength Member
 - Rodent Protection
 - Water protection



PRODUCT RANGE

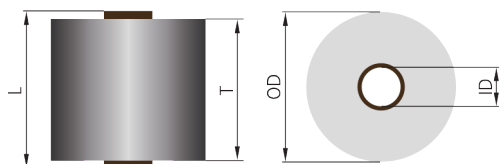
Product	Tex	Weight	Yield	Lase 0.50%	Lase 1.00%	Young's Modulus	Tensile Strength	Elongation at break	Water Absorption
		g/m	m/Kg	N	N	GPa	N	%	%
StremX UHM UBC 200	210	0.21	4761.90	40	80	95	185	2.50	500
StremX UHM UBC 300	315	0.315	3174.60	65	120	90	255	2.40	500
StremX UHM UBC 600	640	0.64	1562.50	120	230	85	640	2.95	650
StremX UHM UBC 1200	1295	1.295	772.20	220	425	80	1300	3.20	490

Since conditions and applications vary considerably in the use of a product, the customer and/or user should assure themselves that the product meets end customer requirements and is suitable for the intended end use. Coats accepts no liability for unsuitable or improper use or application of products. Information provided is based on current averages and should be taken only as indicative. Coats accepts no liability for the preciseness and correctness of the information provided. Product information sheets are updated for time to time, please be sure you are referring to the most recent publication. Coats supports customers with advice on individual applications on request; if you have any questions or concerns, please contact us. © Copyright reserved 2020



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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

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 technological 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

