

COATS
protos stm



**ARAMID
STRENGTH MEMBER**

Coats® Protos™ STM

Coats Protos STM is a high modulus aramid for use as a strength member in telecommunication cables.

Protos STM offers some of the lowest dusting and shedding in the fibre optic industry. This helps reduce machine downtime and improves cleanliness and safety during cable manufacture.

WHY CHOOSE PROTOS STM?

- High modulus and high tensile strength
- Available with protective coating to enhance its strength properties and abrasion resistance
- Cost efficiencies and custom-made design capability available
- Coats Protos STM is available in specialised weights, lengths and formats (tubes, cones, spools) on request

MAIN USES:

- General purpose flexible strength member for any application needing high tensile strength
- Cable industry
- For use in loose tube, ribbon, central tube, or tight buffer cable
- Used in both armoured and unarmoured optical cable



Coats Protos STM

PRODUCT RANGE

Product	Weight	Yield	Tensile Strength	Lase 0.30%	Lase 0.50%	Lase 1.00%	Young Modulus	Elongation at Break
	g/m	m/kg	N	N	N	N	GPa	%
Protos HM 1500	0.167	5882.35	265.00	37.00	62.00	122.00	115.00	2.10
Protos HM 2840	0.322	3030.30	510.00	77.00	127.00	242.00	115.00	2.10
Protos HM 7245	0.805	1204.82	1300.00	197.00	327.00	632.00	115.00	2.10

More products and different properties available upon request.

Test-speed: 100mm/min - Pre-tension: 0,020 N/Text - Mechanical properties are determined at twisted yarn.



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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



Coats Protos STM

EXPERT REAL WORLD SUPPORT

The final cost of any thread 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 yarn selection to stitch formation, the use of colour 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 thread 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/protos-stm

