

# Coats® Gral™ Ripcord

Coats Gral Ripcord is a polyester based, continuous filament yarn designed specifically for fibre optic cable ripcord applications. Available with a protective film (PF) coating, highly abrasion resistant, offering greater cutting modulus and is proven to help reduce ripcord size.

COATS  
gral ripcord



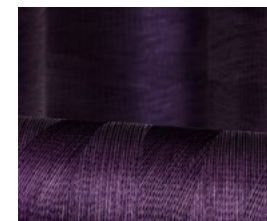
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## WHY CHOOSE GRAL RIPCORD?

- High tenacity polyester yarn, twisted and regular shaped, with constant diameter.
- Excellent cutting properties providing easy access to the cable core during installation or maintenance of this.
- Available in natural or coloured
- Available with a Protective coating (PF) upon demand:
  - Excellent resistance to abrasion during cable field accessing
  - Proven to help reduce ripcord size
  - Anti-wicking finish to prevent water capillarity

## MAIN USES:

- Primarily used in non-armoured fibre optic cables
- Loose tube, ribbon, tight buffer or All Dielectric Self Support (ADSS) cables



# Coats Gral Ripcord

## PRODUCT RANGE

Product	Weight g/m	Runnage m/kg	Tensile Strength N	Elongation at Break %	Diameter mm	Shrinkage 15 min - 190° C
Gral Ripcord 153/2	0.038	26,315.79	15	15	0.20	15
Gral Ripcord 198/3	0.070	14,285.71	45	15	0.30	15
Gral Ripcord 405/3	0.140	7,142.86	100	15	0.50	15
Gral Ripcord 1000/2	0.220	4,545.45	160	15	0.60	15
Gral Ripcord 1000/3	0.370	2,702.70	220	15	0.70	15
Gral Ripcord 1000/6	0.700	1,428.57	430	15	0.80	15
Gral Ripcord 1500/2	0.345	2,898.55	215	15	0.70	15
Gral Ripcord 1500/3	0.545	1,824.86	290	15	0.80	15
Gral Ripcord 2000/3	0.720	1,388.89	420	15	0.90	15
Gral Ripcord 3000/3	1.030	970.87	720	15	1.20	15
Gral Ripcord 1000D LS Flat	0.110	9,091.00	75	25		<4.00
Gral Ripcord 1500D LS Flat	0.167	5,988.00	100	25		<4.00
Gral Ripcord 2000D LS Flat	0.220	4,545.00	145	24		<4.00

\* Linear density is after PF coating and/or PF coating plus dye.



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## THERMAL PROPERTIES

Melts at 260°C, softens at 220 - 240°C

Shrinkage less than 1% @ 150°C

## CHEMICAL PROPERTIES

Acids:	Resistant to most mineral acids
Alkalis:	Essentially unaffected by weak alkalis, but less resistant to stronger alkalis, especially at higher temperatures
Organic solvents:	Unaffected
Bleaching:	Unaffected
Insects / microorganisms (mildew, rot):	Unaffected

## PACKAGING

A variety of packaging options are available. Standard packaging is listed below.

Standard Spool Specifications	Unit	1000D	1500D	2000D	3000D	1000/1/2	1000/1/3
Length per Spool	km	50	25	20	12.6	25.7	19
Inner Diameter	mm	94	94	94	94	94	94
Length	mm	216	216	216	216	216	216
Outer Diameter	mm	250	230	230	230	250	250



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## 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/gral-ripcord](http://www.coats.com/gral-ripcord)



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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 2021