

## GRAL RIPCORD PF

Polyester based, continuous filament yarn is best used for fibre optic cable ripcord applications. The unique protective film (PF) coating is highly abrasion resistant, has greater cutting modulus, and is proven to help reduce ripcord size.

## PROTOS SM PF

Multi-filament para-aramid yarn that is used as a binder in loose tube designs requiring extra low shrink binders. Packages can be stranded in multiple directions, require less ends and are very light.

## PROTOS RIPCORD PF

Continuous filament, twisted, para-aramid yarn designed specifically for armoured cable ripcord applications. The unique protective film (PF) coating is highly abrasion resistant and proven to help reduce ripcord size.

## ULTRABLOC SY

Water swellable, spun super-absorbent polymer thread that is ideal for dry blocking in wire & cable products. It is proven in temperature cycling, heat ageing and freeze/thaw testing.

## ULTRABLOC F

Flat water swellable yarn for dry blocking in fibre optic cables around central strength members.

## PROTOS WOVEN TAPE

Tapes which are designed and woven to provide improved resistance, protecting cables against bullets (small caliber), and extreme climate changes. Can also be manufactured with an additional waterblock.

## PROTOS ULTRABLOC

Water swellable coated aramid for use in telecommunication cables. Available in two different types, SM is a standard modulus that is mainly used as a water swellable binder in general telecommunication cables, and HM is a high modulus that is utilized as a water swellable strength member for ADSS cables. Both types have some of the lowest dusting and shedding in the industry that helps reduce machine downtime and improve cleanliness and safety during the cable manufacturing process..



# Fibre Optics

PROTECTING YOUR  
INFORMATION HIGHWAY



# About Coats

Coats is the world's leading industrial thread company. At home in some 50 countries, Coats has a workforce of 18,000 people across six continents. Our purpose is to harness talent and technology to benefit all our stakeholders, our customers and their industries, our shareholders, our people and the communities in which we operate.

Coats is the value adding partner to the global Apparel and Footwear Industry and a global expert in the design and supply

of high-technology performance materials. We've developed innovative, solution-driven products that are specifically designed for the wire and cable industry, including water-swallowable and anti-wick coatings, as well as ultra low-shrink and rodent-deterrent materials. The specially coated ripcords can be used for both armoured and non-armoured cables.

## Products

### DABOND ULTRABLOC

Continuous filament, high tenacity, polyester coated with an extremely smooth super absorbent water swellable finish. This is an excellent general purpose water blocking material and is appropriate for a wide variety of uses in fibre optic cables where high absorbency is needed

### GOTEX FG

Rectangular shaped E-glass fibers which are used as flexible strength members and offer improved tensile strength with excellent surface finishing.

### GOTEX FG WOVEN TAPE

Woven tapes made of fiberglass which are mainly utilized in cables that are located in vulnerable environments. Manufactured to provide additional resistance, they protect against rodents and fire. Additional waterblock coating can be applied to protect the cable further from underground water or rain.

### GOTEX FG ULTRABLOC

Rectangular shaped roving E-glass fibers that are constant in width and thickness with high strength. Ideal for dry blocking in fibre optic cables for any application requiring no mess processing.

### GOTEX FRP

Round profiles made of E-glass (more than 80% in its composition) and resin that is used as a central strength element in optical fiber cable designs which offers excellent LASE values in combination with high flexibility.

### GRAL BINDER

Multi-filament polyester yarn that is used in designs that call for standard low shrink (2%) binders. Packages are consistent in length, can withstand high stranding speeds and are available in one end and two end put ups.

### GRAL BINDER LS

Gral Binder Multi-filament polyester yarn that is ultra-low shrink (<1%), offers high tensile strength and will not indent buffer tubes which can cause a defect in the cable and disrupt the stranding operation. Packages are available in one end and two end put ups.

