



FEATURES

- Superior dimensional stability
- High tensile modulus
- Designed for all-dielectric or metallic cable applications
- Provides anti-buckling properties and protection during installation
- Inexpensive way to increase diameter to accommodate designs with high fiber counts
- Long, splice-free lengths
- Matches desired length specifications, which increases equipment uptime and productivity
- Consistent diameter and shape
- Adhesion to up jacketing/sheathing materials

STANDARD LENGTHS

> 50 kms splice free lengths

MANUFACTURING CAPABILITY

0.5 mm to 4.5 mm with very close diameter tolerance

TYPICAL PRODUCT CHARACTERISTICS

Physical Properties

Glass content	> 80 % by weight
Density	1.9 to 2.2 gm/cc
Diameter stability	+/- 0.05 mm
Ovality	< 0.05 mm
Splices	None



TYPICAL PRODUCT CHARACTERISTICS

Mechanical Properties	Spec value	Test Method
Ultimate tensile strength	> 1.40 Gpa	ASTM D 3916
Tensile modulus	> 50 Gpa	ASTM D 3916
Min. bend radius	25 x D @ 25°C	
Heat stress tolerance (bend radius)	8 Days @ 100°C, 50 X D	
Coefficient of thermal expansion	5.2 X 10 ⁻⁶	ASTM D 696
Shrinkage	0%	
ASTM D 696 Flexural modulus	> 50 Gpa	ASTM D 790
Water absorption after 24 hrs	< 0.1 %	ASTM D 570