

PRODUCT OVERVIEW



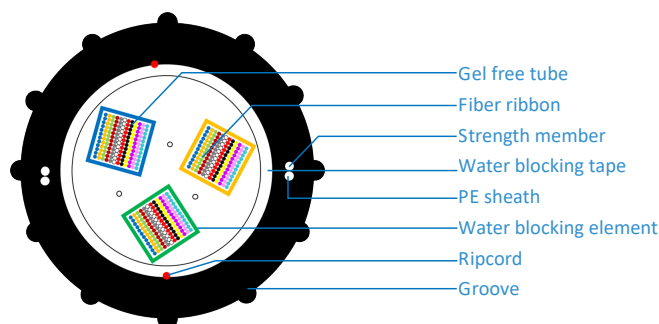
Navigator® Spark™
Ribbon Fiber Cable





Introducing Navigator® Spark™ Ribbon Fiber Cable: Igniting Faster Deployments

Navigator® Spark™ Ribbon fiber cable is engineered for high-performance air-blown installations, offering significant advantages over traditional ribbon cables and even surpassing the leading solution in the industry such CORNING RocketRibbon®. Designed with operator efficiency and deployment speed in mind, Spark™ Ribbon delivers a streamlined, high-density fiber solution.



Note: The quantity, specifications and positions of the strength members may vary depending on the installation conditions.

KEY FEATURES & BENEFITS:

- **Standardized 12-Fiber Ribbons:** Each ribbon within the Spark™ Ribbon matrix consists of 12 fibers, ensuring compatibility with all mainstream ribbon fusion splicers.
- **Gel-Free Design:** Spark™ Ribbon is completely gel-free. This eliminates the mess and hassle associated with traditional gel-filled cables.
- **Simplified Ribbon Management:** Unlike rollable ribbon cables, Spark™ Ribbon features flat layers of fiber ribbons, drastically improving splicing efficiency.
- **Enhanced Air-Blown Performance:** Spark™ Ribbon is specifically optimized for air-blown installations offering several key advantages:
 - **Increased Blowing Speed:** Achieve **10-30%** faster blowing speeds
 - **Reduced Air Pressure:** Lower the required air pressure by **5-15%**, reducing stress on equipment.
 - **Extended Deployment Distances:** Achieve **10-20%** longer deployment distances in a single blow.
- **Compact Design:** Spark™ Ribbon offers a slightly smaller outer diameter compared to the existing solution.

TECHNICAL SPECIFICATIONS:

Dimensional	Fiber type	ITU-T G.657.A1	
	Fiber count	432	864
	No. of fibers per tube	12f*12	12f*12
	No. of tubes	3	6
	Cable D – mm(in)	17.1(0.67)	21.7(0.85)
	Cable weight – kg/km(lb/1000ft)	180(121)	293(197)
Physical	Operation-temperaturerangee	-40 °C to + 70 °C (-40°F to 158°F)	
	Installation temperature range	-30 °C to + 60 °C (-22°F to 140°F)	
	Transport and storage temperature range	-40 °C to + 70 °C (-40 °F to 158 °F)	
	Max. tensile load (MAT) – N(lb)	2700(600)	
	Crush resistance – N/10cm(lb/in)	1000(57)	
	Minimal installation bending radius	20*D	
	Minimal operation bending radius	10*D	