



**Prysmian**  
Group

Linking  
the Future

## Safety And Non-Safety Fiber Optic Cables For Nuclear Applications

The Prysmian Group has provided fiber optic cables for the nuclear industry through its legacy companies for over 30 years. Our cables are specifically designed to be used in nuclear power plants for communications links, data networks, emergency system repairs, security and video monitoring.

We offer an array of single-mode and multimode fiber varieties and specialty fibers such as BendBright® bend insensitive and radiation-resistant fiber. The cables are

manufactured with materials to meet IEEE 383, IEEE 1202, IEEE 1682, and other flame ratings commonly used in the nuclear industry. These rugged yet lightweight cable constructions are built to conform to industry standards and Nuclear Regulatory Commission (NRC) guidelines. Prysmian has undergone stringent qualifications to guarantee full compliance with nuclear quality assurance programs, including 10CFR50 Appendix B, to ensure the highest level of performance under all conditions and provide products for safety and non-safety-related conditions.



## LSZH (Low Smoke Zero Halogen) Tight Buffered Breakout Cable

**S690T Series (Non-Safety Related) | S5024T Series (Safety Related) | Riser FT4 – LSZH**

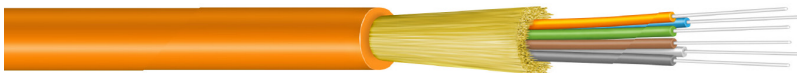
2.5 mm tight buffered breakout style cables within a low-smoke zero-halogen (LSZH) construction are designed for superior fire safety. Each fiber is encased in an individually jacketed sub-component to provide easy connectivity and rugged performance. The cable meets the flame requirements of IEEE 383.



## LSZH (Low Smoke Zero Halogen) Tight Buffered Distribution Cable

**S691T Series (Non-Safety Related) | S5031T Series (Safety Related) | Riser FT4 - LSZH**

900 um tight buffered distribution style cables within a low-smoke zero-halogen (LSZH) construction are designed for superior flame retardance. These cables offer a compact design to provide enhanced performance where size and space is a concern. The cable meets the flame requirements of IEEE 383 and NEC Article 770 (Type OFNR) and CSA FT-4.



## LSZH (Low Smoke Zero Halogen) Indoor/Outdoor Loose Tube Cable

**S5014L Series (Non-Safety Related) | S5043L Series (Safety Related) | Riser FT4 - LSZH**

Gel-free loose tube cable with dry water blocking technology provides water and moisture protection within a low smoke zero halogen (LSZH) construction. The cable meets the flame requirements of IEEE 383 and NEC Article 770 (Type OFNR) and CSA FT-4.



## PVDF Plenum Tight Buffered Breakout Cable

**S753T Series (Non-Safety Related) | S5030T Series (Safety Related) | Plenum**

2.5 mm tight buffered breakout style cables within a fluoropolymer are OFNP rated (plenum) construction for maximum flame retardance and suitability for installation in NEC air handling plenum spaces. Each fiber is encased in an individually jacketed sub-component, to provide ease of connectivity and rugged performance. The cable meets the flame requirements of IEEE 383 and NEC Article 770 (Type OFNP) and CSA FT-6.



### Optional Features:

Aluminum or steel interlock armor