

Prysmian Group Nuclear Product Reference List



Presence in the Market

- For more than 50 years, Prysmian Group has provided continuous service and leading solutions to the nuclear industry. We continue to invest in research and development to maintain and extend our leadership in technology manufacturing and quality assurance—delivering nuclear-qualified cables with design, performance and reliability to meet the needs of nuclear power plants both today and in the future.
- For nuclear applications, we offer ULTROL® 60+ safety-related cables that have been proven to meet the most rigorous Generation III reactor requirements for a 60-year operating life and beyond. ULTROL® 60+ is currently the only product in the market in full compliance with EPA regulations.

Experience in the Field

ULTROL® 60+ cables meet the application needs of the nuclear power industry, delivering low- and medium-voltage power to ensure efficient power production as well as distribution and control while transmitting the information needed for plant safety, critical monitoring and accurate measurement. Many leaders in the nuclear industry have trusted Prysmian Group to provide safe and reliable cables. As a result, ULTROL® 60+ cables have been qualified in numerous nuclear power plants across North America.

Nuclear Power Plants that have qualified Prysmian Group Cables:

- American Electric Power (AEP)
- Arizona Public Service (APS)
- Dominion Energy
- Duke Energy
- Entergy Nuclear
- NextEra Energy Inc. (Florida Power & Light Company)
- Southern Nuclear
- Talen Energy
- Xcel Energy

ULTROL® 60+ is the Superior Solution

- Satisfies the most stringent nuclear safety standards for inside and outside containment.
- Conforms to all U.S. Nuclear Regulatory Commission and global requirements.
- Demonstrates thermal aging and radiation resistance up to 350 MRad exposure levels, providing 60+ year service life.
- Meets and exceeds LOCA (loss-of-coolant accident) and HELB (high-energy line break) environmental qualifications per IEEE 323 and IEEE 383.
- Provides excellent wet electrical (submersion) performance upon aging at 90°C over two years.
- Delivers reliability in extreme conditions such as cold/hot temperatures, humidity, abrasion, fire performance in emergencies, etc.
- Offers tougher, abrasion-resistant flame-retardant cross-linked polyolefin (XLPO) jacket compound.

