

# Accessories for Fluid Filled Cables

From 33 kV to 400 kV





## What links power grids to sustainability?

From Asia-Pacific to the Americas, and from Europe to the Middle East to Africa, Prysmian cable solutions sit at the heart of the development of power grids worldwide, helping major utilities in transmitting and distributing power to their customers.

Unmatched in our manufacturing capabilities and with unwavering commitment to R&D, we design, produce and install low, medium, high and extra-high voltage underground and submarine cables and systems, along with network components and value-added engineering services.

Always aware of the need to minimize our impact on the planet, we're constantly driving innovation in our industry, aiming to optimize supply chain processes, reduce total cost of ownership for our customers and help them achieve sustainable, profitable growth.

## Linking the future

As the worldwide leader in the cable industry, Prysmian Group believes in the effective, efficient and sustainable supply of energy and information as primary driver in the development of communities.

With this in mind, we provide major global organisations in many industries with best-in-class cable solutions, based on state-of-the-art technology. Through two renowned commercial brands - Prysmian and Draka - based in almost 100 countries, we're constantly close to our customers, enabling them to further develop the world's energy and telecoms infrastructures, and achieve sustainable, profitable growth.

In our energy business, we design, produce, distribute and install cables and systems for the transmission and distribution of power at low, medium, high and extra-high voltage.

In telecoms, the Group is a leading manufacturer of all types of copper and fibre cables, system and accessories - covering voice, video and transmission.

Drawing on over 130 years' experience and continuously investing in R&D, we apply excellence, understanding and integrity to everything we do, meeting and exceeding the precise needs of our customers across all continents, at the same time shaping the evolution of our industry.



# Accessories for HV/EHV Fluid Filled Cables up to 400 kV

Outdoor Sealing Ends



Straight Joints



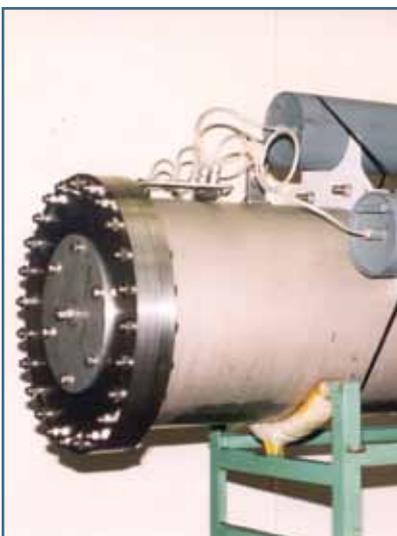
Transition Joints



## Supply History

Voltage kV	ODSE	SF6	OISE	Straight Joint	Stop Joint
up to 132	8,258	839	769	8,412	902
132 - 275	1,187	190	12	2,591	368
275 - 400	460	173	16	1,172	201
<b>Total</b>	<b>9,905</b>	<b>1,202</b>	<b>797</b>	<b>12,175</b>	<b>1,471</b>

Quantities supplied since 1930



Stop Joint



Gantry mounted link box



Gauge Cabinet

# Product Range

## From 33 kV to 400 kV:

- Straight Joints
- Stop Joints
- Outdoor Terminations (ODSE)
- SF6 - Immersed Terminations (SF6-OISE)
- Transition Joints
- Fluid Filled Tanks



Outdoor Tank Farm

Due to the many years of manufacturing fluid filled accessories, Prysmian is able to tailor all of its fluid filled accessories to suit specific client needs. For example we can manufacture accessories to operate at high fluid pressures (up to 30 bar) from stainless steel, provide water cooling pipes onto the accessories for water cooled cable systems, buried and plinth mounted oil tanks and to provide a range of monitoring system such as gauge cabinets and PFT solutions.

The Group's name has been synonymous with fluid filled high voltage cable systems since the technology was introduced into service in the 1920's. Since that time many thousands of kilometres of fluid filled cable, along with the associated accessories have been installed in all parts of the world. With a proven electrical performance, good life expectancy and excellent reliability record, fluid filled cable systems continue to be the backbone of distribution and transmission systems around the world.

Despite the more recent switch to XLPE based high voltage cable systems, fluid filled cable networks will continue to play an important strategic role in electricity supply for many more years to come. The ability to procure fluid filled accessories will be important for network operators, as they repair, maintain, divert and extend these circuits in the future.

Prysmian has been manufacturing fluid filled accessories at its plant in Bishopstoke in the United Kingdom for many decades and has an excellent supply record both domestically and overseas. Prysmian can manufacture and supply the full range of fluid filled accessories such as straight joints, stop joints, outdoor sealing ends, transformer terminations as well as other specialist equipment associated with fluid filled networks like gauge cabinets, fluid tanks, earthing systems and PFT solutions.



Plant - Bishopstoke (UK)

# Linking power grids to sustainability

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