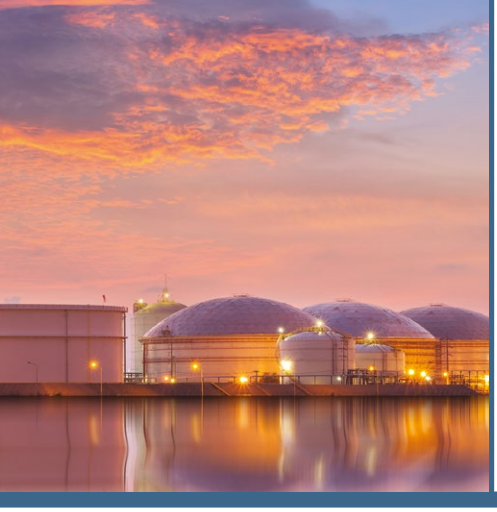


Oil & Gas - Cable Solutions

Pipelines & LNG - Onshore

High Voltage Cables

Power cables with extruded insulation for voltage classes above 30 kV up to 150 kV

High Voltage cables are designed on a fit-for-purpose and fully customised project-by-project basis. Hydrocarbon resistant, termites/rodent resistant, Arctic Grade, resistance to gas/chemical attacks: all designs available on request.

APPLICATION

High Voltage cables are used to connect power generation units with large onshore plants (e.g. petrochemical plants, refineries, LNG plants) in harsh environments with strict safety protocols and requiring outstanding reliability performance. Prysmian has been at the forefront of high voltage cable technology for nearly a hundred years. We have experience in supplying and installing high voltage cables systems throughout the world and support customers from system design, through manufacture to installation, commissioning and testing.
Our extended after sales support is second to none, with 24/7 emergency maintenance, condition based assessments, on site fault location diagnostics, materials qualification, accessories development and approval through our HV laboratory.

STANDARDS & APPROVALS

IEC 60840 Test Methods
CIGRE Technical Recommendations
IEC 60332-1-2 Flame Retardance
IEC-60332-3-22 Fire Retardance

on request:

IEC-60754-1 /...-2 Halogen-free properties
IEC-61034-1 / 2 Smoke emission properties

on request:

CSA 22.2 n.38-95 or IEC 60811
Cold bend/impact test at low temperature

DESIGN & CONSTRUCTION

1 **CONDUCTOR**
Aluminium or Copper

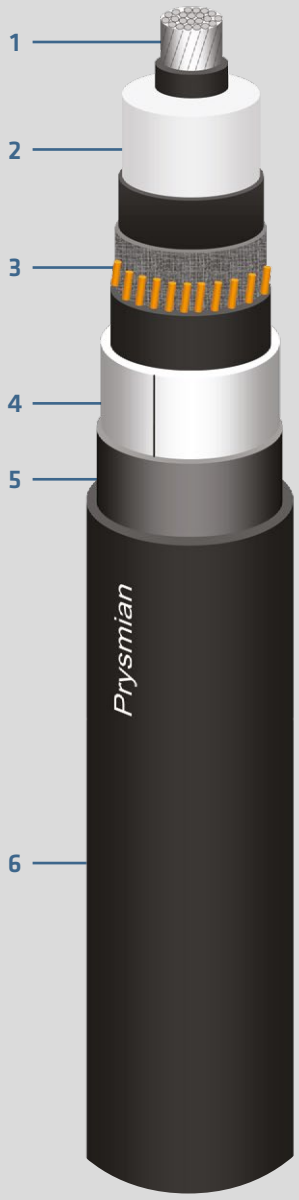
2 **INSULATION**
XLPE or EPR

3 **SCREEN**
Copper wires + Aluminium foil or welded Aluminium sheath

4 **METALLIC SHEATH**
(where applicable)
Lead

5 **ARMOURING**
(only armoured versions)
Aluminium wires or Stainless steel wires or Polymeric

6 **OUTER SHEATH**
PE or LSOH or PVC (only with Lead sheath)



CONTACT INFO:
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www.prysmiangroup.com/contact-us

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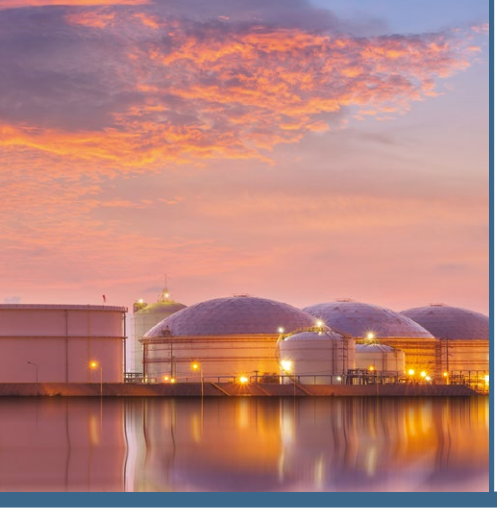

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High Voltage Cables

PERFORMANCES/RATINGS

FIRE BEHAVIOUR

IEC 60332-1-2
IEC 60332-3-22 or 24

CHEMICAL RESISTANCE

GOOD
EXCELLENT (Lead sheath only)

IMPACTS

GOOD
EXCELLENT (only armoured versions)

SMOKE DENSITY, CORROSIVITY AND TOXICITY

LOW EMISSION
(only LSZH version)

MIN. INSTALLATION TEMPERATURE

Up to -40 °C
(for Arctic Grade)

MAX OPERATING TEMPERATURE

+90 °C

SHORT CIRCUIT TEMPERATURE

+250 °C

QUALITY & TESTING

Prysmian has a built-in multi-step quality assurance program, covering the production process from cable design and raw material purchases to final inspection and testing documentation.

The ISO 9001 quality system of Prysmian Group (together with ISO 14001 and OHSAS 18001) has been assessed, approved and is currently audited by SGS.

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