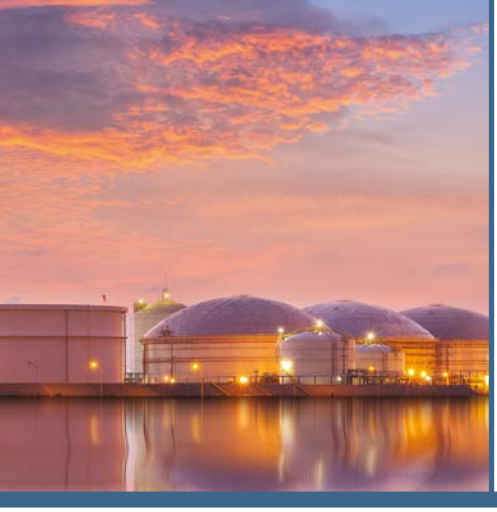


Oil & Gas - Cable Solutions

Pipelines & LNG - Onshore

Medium Voltage Cables

IEC 60502-2

Cu/XLPE/CWS or CTS/PVC or LSZH
Cu/XLPE/CWS or CTS/PVC or LSZH/AWA or SWA/PVC or LSZH
3,6/6 kV .... 18/30 kV

Distribution cables from 3,6/6 up to 18/30 kV. Flame retardant, low smoke and halogen free (only LSZH version). Armoured/unarmoured.
Design option with insect repellent/rodent protection; Arctic Grade design option;
Fire Resistant version: all available on demand.

APPLICATION

Medium Voltage cables are used for power distribution applications or to connect equipment that requires large amounts of power in refineries, pipelines and other midstream and downstream facilities.

STANDARDS & APPROVALS

IEC 60502-2 Design guidelines
IEC 60332-1-2 Flame retardance
IEC-60332-3-22 or 24 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

on request

IEC 60331-21 Fire Resistance

DESIGN & CONSTRUCTION

1 CONDUCTOR
Cu
Annealed copper conductor according to IEC 60228 cl. 2 from 16 to 630 mm², single core or three cores

2 CONDUCTOR SCREEN
Semiconducting layer

3 INSULATION
XLPE
HEPR or EPR on demand

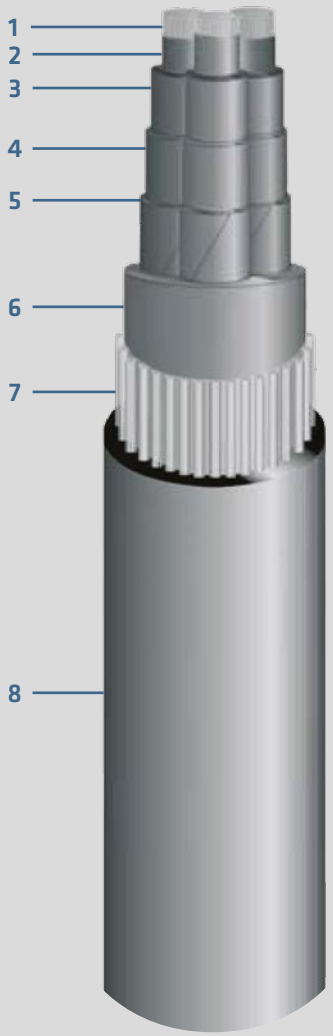
4 INSULATION SCREEN
Semiconducting layer

5 SCREEN
CWS or CTS
Copper wires or copper tapes

6 BEDDING/INNER COVERING
(only armoured versions)
PVC or LSZH

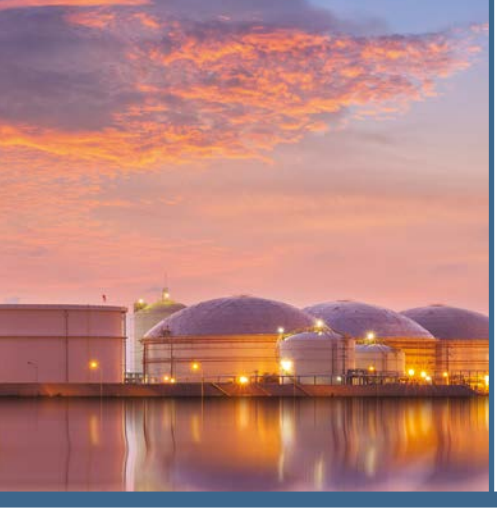
7 ARMOURING
(only armoured versions)
SWA or AWA
Steel Wire Armour/Aluminium Wire Armour for single core (Double Steel Tape available on demand, aluminium for single core)
AIR-BAG® mechanical protection option available on demand

8 OUTER SHEATH
PVC or LSZH
Hydrocarbon resistant option available on demand



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

Prysmian Group



Oil & Gas - Cable Solutions

Pipelines & LNG - Onshore

Medium Voltage Cables

IEC 60502-2

PERFORMANCES/RATINGS

FIRE BEHAVIOUR

IEC 60332-1-2
IEC 60332-3-22 or 24
IEC 60331-21 (only FR version)

CHEMICAL RESISTANCE

STANDARD (PVC)
GOOD (LSZH)

IMPACTS

GOOD

SMOKE DENSITY, CORROSIVITY AND TOXICITY

LOW EMISSION
(only LSZH version)

MIN. INSTALLATION TEMPERATURE

-5 °C (PVC)
-15 °C (LSZH)
(-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.

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

Prysmian Group