



Oil & Gas - Cable Solutions

Refineries & Petrochemical - Onshore

Low Voltage & Control Cables

IEC 60502-1

Cu/XLPE/PVC or LSZH 0,6/1 kV

Cu/XLPE/PVC or LSZH/SWA/PVC or LSZH 0,6/1 kV

Power cables 0,6/1 kV. Flame retardant, low smoke, halogen free (only LSZH version). Armoured/unarmoured. Design option with insect repellent/rodent protection; Arctic Grade design option: all available on demand.

APPLICATION

Low Voltage & Control cables are used for fixed installations of power supply and control applications. Prysmian offers a wide range of LV & Control cables with diverse design options depending on the reference standards and customer requirements.

STANDARDS & APPROVALS

IEC 60502-1 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

DESIGN & CONSTRUCTION

1 CONDUCTOR

Cu

Annealed copper conductor according to IEC 60228 cl. 2 (or cl. 5 on request) from 1.5 to 630 mm², single core, three cores, multicore

2 INSULATION

XLPE

3 BEDDING/INNER COVERING

(only armoured versions)

PVC or LSZH

4 ARMOURING

(only armoured versions)

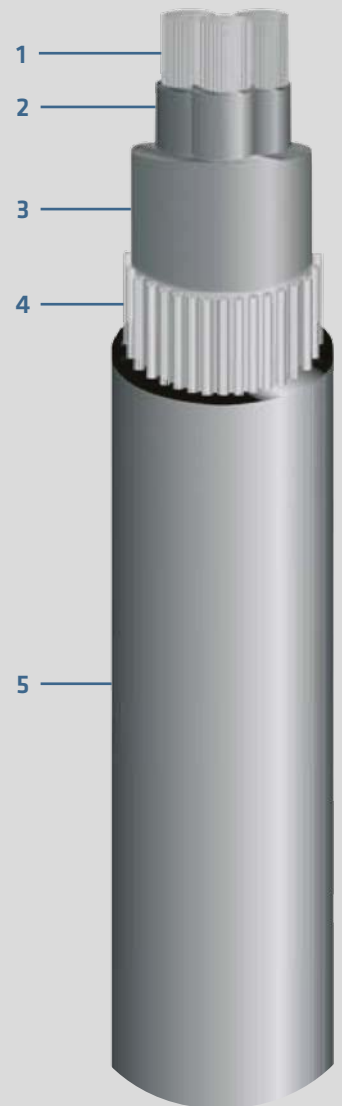
SWA

Steel Wire Armour (Double Steel Tape available on demand, aluminium for single core)

5 OUTER SHEATH

PVC or LSZH

Hydrocarbon resistant option available on demand



R/P LV&C IEC - 09/2017

1

CONTACT INFO:

prysmianoilandgas@prysmiangroup.com

www.prysmiangroup.com/contact-us

Prysmian
Group



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PERFORMANCES/RATINGS

FIRE
BEHAVIOUR



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

CHEMICAL
RESISTANCE



STANDARD (PVC)
GOOD (LSZH)

IMPACTS



GOOD
EXCELLENT (armoured only)

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.

This product information sheet is provided for reference only.

Please consult the factory or your representative to confirm all engineering information or refer to the related catalogues available in the local countries website.

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