Refineries & Petrochemical - Onshore

Low Voltage & Control Cables

IEC 60502-1 / IEC 60331

Cu/MGT/XLPE/LSZH 0,6/1 kV
Cu/MGT/XLPE/LSZH/SWA/LSZH 0,6/1 kV

Power cables 0,6/1 kV. Flame retardant, low smoke, halogen free, fire resistant. 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 60331-21/60331 1/2 plus EN 50200 annex E/ BS 6387 CWZ Fire Resistance
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 mm^2, single core, three cores, multicore

2 FIRE BARRIER
MGT
Mica/glass tape

3 INSULATION
XLPE
Silicon rubber or HFFR are also available

4 BEDDING/INNER COVERING
(only armoured versions)
LSZH

5 ARMOURING
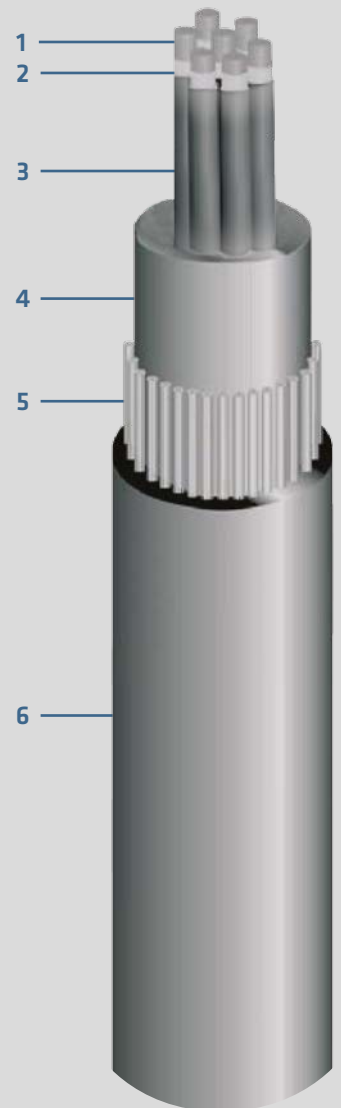**(only armoured versions)**
SWA
Steel Wire Armour (Double Steel Tape - DSTA available on demand, aluminium for single core)

6 OUTER SHEATH
LSZH
Hydrocarbon resistant option available on demand

Prysmian Group

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PERFORMANCES/RATINGS

FIRE BEHAVIOUR	CHEMICAL RESISTANCE	IMPACTS	SMOKE DENSITY, CORROSIVITY AND TOXICITY
IEC 60332-1-2 IEC 60332-3-22 or 24 IEC 60331-21 / 60331-1/2 plus EN 50200 annex E BS 6387 CWZ	EXCELLENT	GOOD	LOW EMISSION (only LSZH version)

MIN. INSTALLATION TEMPERATURE	MAX OPERATING TEMPERATURE	SHORT CIRCUIT TEMPERATURE
-15 °C (LSZH) (-40°C for Arctic Grade)	+90 °C	+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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Group