

Oil & Gas - Cable Solutions

Refineries & Petrochemical - Onshore

Medium Voltage Cables

Cu/XLPE/LS/PVC or LSZH/AWA/PVC or LSZH (single core) Cu/XLPE/CWS or CTS/PVC or LSZH/LS/PVC or LSZH/SWA PVC or LSZH (multicore) 3,6/6 kV ... 18/30 kV

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

APPLICATION

Medium Voltage cables used for underground power distribution applications in refineries, pipelines and other midstream and downstream facilities. Prysmian offers a wide range of MV cables with diverse design options depending on the reference standards and customer requirements.

STANDARDS & APPROVALS

IEC 60502-2 Design guidelines IEC 60332-1-2 Flame retardance IEC-60332-3-22 or 24 Fire retardance 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 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 PVC or LSZH
- 7 CHEMICAL BARRIER

Lead alloy E DRYLAM[®] (multilayer sheath) instead of Lead sheath available on demand

8 SEPARATION SHEATH PVC or LSZH

9 ARMOURING

SWA or AWA

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

10 OUTER SHEATH PVC or LSZH

Hydrocarbon resistant option available on demand



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PERFORMANCES/RATINGS



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





-5 °C (PVC) -15 °C (LSZH) (-40°C for Arctic Grade)



MAX



+90 °C









SMOKE DENSITY,

LOW EMISSION (only LSZH version)



(only Drylam[™] option)

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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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.

