



Oil & Gas - Cable Solutions

Exploration & Production - Offshore

Medium Voltage Cables

BS 6883

Cu/EPR/CTS/EVA/GSWB or TCWB or TPBWB/EVA
3,6/6,6 kV 8,7/15 kV

Distribution cables up to 8,7/15 kV.
Flame retardant, low smoke, halogen free. Armoured.

APPLICATION

Medium Voltage cables are used for power distribution applications or to connect equipment that requires large amounts of power on ships and offshore platforms. Prysmian offers a wide range of MV cables with diverse design options depending on the reference standards and customer requirements.

STANDARDS & APPROVALS

BS 6883 Design guidelines
IEC 60092-352 Choice and installation of electric cables
BS 7655-1.2 Insulating materials
BS 7655-2.6 Sheathing materials
IEC 60332-1-2 Flame retardance
IEC-60332-3-22 Fire retardance
IEC-60754-1 / ...-2 Halogen free properties
IEC-61034-1 / ...2 Smoke emission properties

Lloyds Register of Shipping (LRS)
American Bureau of Shippings (ABS)
Bureau Veritas (BV)
Russiam Maritime Register of Shipping (RMRS)
Det Norske Veritas-GermanischerLloyd (DNV-GL)
RIINA (Registro Italiano Navale)

DESIGN & CONSTRUCTION

- 1 CONDUCTOR**
Cu
Tinned annealed copper conductor according to IEC 60228 cl. 2 (or cl.5 on request) from 16 to 500 mm², single core or three cores
- 2 CONDUCTOR SCREEN**
Semiconducting tape and/or layer
- 3 INSULATION**
EPR
EPR - EPR GP5 according to BS 7655-1.2
- 4 INSULATION SCREEN**
CTS
Semiconducting layer + tinned copper tape
- 5 BEDDING/INNER SHEATH**
EVA
Flame retardant, halogen free thermoset compound, SW4 BS 7655-2.6
- 6 ARMOURING**
GSWB
Galvanized steel wire braid
or **TCWB**
Tinned copper wire braid
or **TPBWB**
Tinned Phosphorous bronze wire braid (single core cable)
- 7 OUTER SHEATH**
EVA
Flame retardant, halogen free thermoset compound, SW4 BS 7655-2.6





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PERFORMANCES/RATINGS

FIRE BEHAVIOUR



IEC 60332-1-2
IEC 60332-3-22

CHEMICAL RESISTANCE



VERY GOOD

IMPACTS



GOOD

SMOKE DENSITY, CORROSIVITY AND TOXICITY



LOW EMISSION

MIN. PERMISSIBLE AMBIENT TEMPERATURE DURING LAYING



-20 °C

MAX OPERATING TEMPERATURE



+90 °C

SHORT CIRCUIT TEMPERATURE



+250 °C

UV RESISTANCE



GOOD

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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Prysmian
Group