

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-GermanischerLlovd (DNV-GL) RINa (Registro Italiano Navale)

#### **DESIGN & CONSTRUCTION**

#### CONDUCTOR

Tinned annealed copper conductor according to IEC 60228 cl. 2 (or cl.5 on request) from 16 to 500 mm<sup>2</sup>, single core or three cores

#### **CONDUCTOR SCREEN**

Semiconducting tape and/or layer

#### 3 INSULATION

EPR - EPR GP5 according to BS 7655-1.2

#### **INSULATION SCREEN**

Semiconducting layer + tinned copper tape

### **BEDDING/INNER SHEATH**

#### **EVA**

Flame retardant, halogen free thermoset compound, SW4 BS 7655-2.6

#### ARMOURING

#### **GSWB**

Galvanized steel wire braid

#### **TCWB**

Tinned copper wire braid

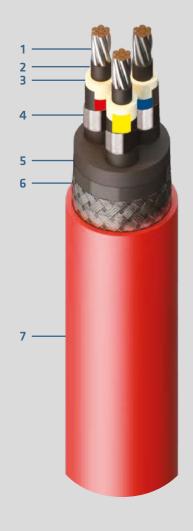
#### **TPBWB**

Tinned Phosphorous bronze wire braid (single core cable)

#### **OUTER SHEATH**

#### **EVA**

Flame retardant, halogen free thermoset compound, SW4 BS 7655-2.6



**CONTACT INFO:** 

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## PERFORMANCES/RATINGS





IEC 60332-3-22

CHEMICAL RESISTANCE



**IMPACTS** 





MIN. PERMISSIBLE AMBIENT TEMPERATURE



MAX OPERATING



+90 °C

SHORT CIRCUIT



+250 °C



COOD

#### **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.

