



Oil & Gas - Cable Solutions

Exploration & Production - Offshore

# Low Voltage & Control Cables

BS 7917

**Cu/MGT/EPR/EVA 0,6/1 kV**

**Cu/MGT/EPR/EVA/GSWB or TCWB or TPBWB/EVA 0,6/1 kV**

Low Voltage cables, fire retardant, fire resistant, low smoke, halogen free.  
Unarmoured/Armoured.

## APPLICATION

Low Voltage & Control cables are used for fixed installations on ships and offshore platforms in a wide range 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

**BS 7917** 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 60331-1,-2,-21** Fire Resistance

**IEC-60754-1** Halogen free properties

**IEC-61034-2** 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)

RINa (Registro Italiano Navale)

## DESIGN & CONSTRUCTION

### 1 CONDUCTOR

**Cu**

Tinned annealed copper conductor according to IEC 60228 cl. 2 (or cl.5 on request)

### 2 INSULATION

**EPR**

Mica tapes (s) + EPR GP4 according to BS 7655-1.2

### 3 BEDDING/INNER COVERING

(only armoured versions)

**EVA**

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

### 4 ARMOURING

(only armoured versions)

**GSWB**

or Galvanized steel wire braid

**TCWB**

or Tinned copper wire braid

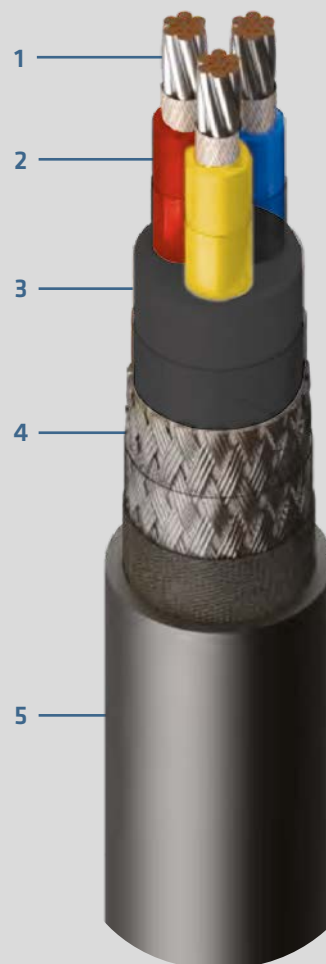
**TPBWB**

Tinned Phosphorous bronze wire braid (single core cable)

### 5 OUTER SHEATH

**EVA**

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



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## CONTACT INFO:

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**Prysmian**  
Group



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## PERFORMANCES/RATINGS

### FIRE BEHAVIOUR



IEC 60332-1-2  
IEC 60332-3-22  
IEC 60331-1,-2,-21

### CHEMICAL RESISTANCE



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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