



Oil & Gas - Cable Solutions

Exploration & Production - Offshore

Instrumentation Cables

BS 6883

Cu/EPR/IS or OS or IS+OS/EVA 150/250 V

Cu/EPR/IS or OS or IS+OS/EVA/GSWB or TCWB/EVA 150/250 V

Instrumentation cables, multi-core (pairs, triads), screened, fire retardant, low smoke, halogen free. Armoured/Unarmoured.

APPLICATION

Instrumentation cables are used to transmit digital or analogue signals for measurement or process control applications in fixed installation on ships or offshore platforms. Prysmian offers a wide range of Instrumentation 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 Halogen free properties

IEC-61034-2 Smoke emission properties

Lloyds Register of Shipping (LRS)

American Bureau of Shippings (ABS)

Bureau Veritas (BV)

Russian 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

EPR GP4 according to BS 7655-1.2

3 SCREEN

IS

Individual screen, Cu/PET tape or Al/PET tape, with tinned copper stranded drain wire

OS

Collective screen, Cu/PET tape or Al/PET tape, with tinned copper stranded drain wire

4 BEDDING/INNER COVERING (only armoured versions)

EVA

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

5 ARMOURING (only armoured versions)

GSWB

Galvanized steel wire braid

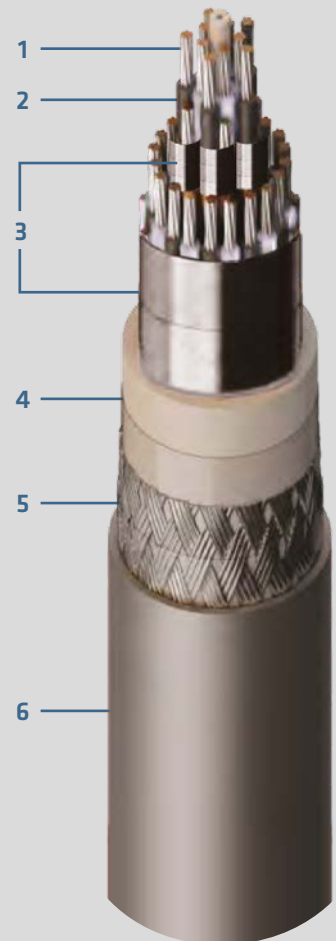
or **TCWB**

Tinned copper wire braid

6 OUTER SHEATH

EVA

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



CONTACT INFO:

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www.prysmiangroup.com/contact-us



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PERFORMANCES/RATINGS

FIRE BEHAVIOUR



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

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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