Exploration & Production - Offshore

Low Voltage & Control Cables

BS 6883

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

Low Voltage cables, fire retardant, 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 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)
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
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
Galvanized steel wire braid
or   **TCWB**
Tinned copper wire braid
or   **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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PERFORMANCES/RATINGS

FIRE BEHAVIOUR	CHEMICAL RESISTANCE	IMPACTS	SMOKE DENSITY, CORROSIVITY AND TOXICITY
IEC 60332-1-2 IIEC 60332-3-22	GOOD	GOOD	LOW EMISSION

MIN. PERMISSIBLE AMBIENT TEMPERATURE DURING LAYING	MAX OPERATING TEMPERATURE	SHORT CIRCUIT TEMPERATURE	UV RESISTANCE
-20 °C	+90 °C	250 °C / +250 °C	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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