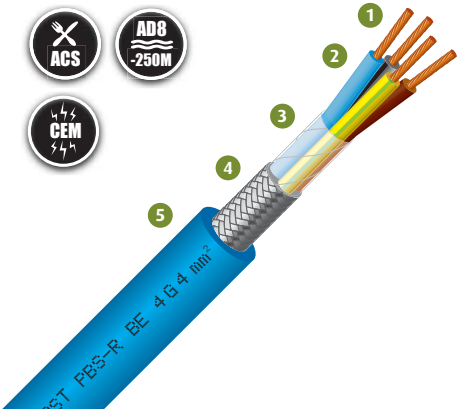
PROFIPLAST® FT 2002c

Submerged cables

PBS-R BE



1. *Flexible bare copper core class 5 - IEC 60228*
2. *Insulation: isovinyl*
   Plain or two-tone colours or numbering
3. *Polyester tape*
4. *Tinned copper braid*
5. *Sheath: Atoxic PROFIPRENE*
   Standard colour: blue RAL 5012

Nominal cross-section (mm^2)	Nominal composition	Diameter of insulated conductors (mm)	Nominal external diameter (mm)	Approximate linear weight (kg/km)
4 x 1.5	28 x 0.245	3.0	11.8	200
4 x 2.5	47 x 0.245	3.6	13.9	300
4 x 4	56 x 0.290	4.3	15.5	400
4 x 6	80 x 0.290	4.8	16.5	500
4 x 10	84 x 0.380	6.2	22.5	750
4 x 16	132 x 0.380	7.4	25.0	1020
4 x 25	175 x 0.400	9.5	30.0	1510
4 x 35	238 x 0.400	10.6	34.0	1920
4 x 50	377 x 0.400	12.9	39.0	2710
4 x 70	340 x 0.500	14.8	44.0	4220

Characteristics

- Operating temperature:
  - outdoor fixed installation: -40°C to +70°C
  - outdoor flexible installation: -25°C to +70°C
  - underwater fixed installation: +50°C
- Rated voltage:
  - fixed installation: 0.6/1 kV
  - flexible installation: 450/750 V
- Test voltage: 2500 V
- Permanent immersion AD8 according to NF C 15-100
- Depth of immersion: 250 m - 25 bars
- Resistance per unit length at 20°C according to IEC 60228

Marking

PROFIPLAST PBS-R BE section mm^2 -
ACS ALIMENTAIRE - IMMERSION PERMANENTE NF C 15-100 AD8

Certifications - Standards

- NF C 15-100, IEC 60228, NF C 32-070, IEC 60332-1
- Certification AD8 by Bureau Veritas according to NF C 32-102-16 A-B
- Contact with food: ACS 23 MAT NY 135
- France: Official journal no. 1227/2002 and amendments
- Germany: Federal Law gazette, Part I, Annex 3 (1992)
- Belgium: Royal Belgian decrees: Belgian Gazette (MB) of 24.07.1992 and updates
- Spain: Royal decree 2207/94 of 16 November 1994 and updates
- Italy: Italian ministerial decree of 21 March 1973 (GU No. 104 of 20 April 1973) and updates
- The United Kingdom: British regulations "Statutory instruments" No.1376 (1998) and updates
- CE: Directive 2002/72/CE

Packaging

Coils. Reels. Drums.

Options

- Flexible tin plated copper core: contact us
- Other cross-sections: contact us

Applications

Ideal for the power supply of submersible pumps in direct contact with fresh water, PROFIPLAST® PBS-R BE is certified by Bureau Veritas AD8 (immersion and submersion) in accordance with standard NF C 15-100. This cable is certified ACS (Certificate of Sanitary Conformity) by the Institut Pasteur in Lille which guaranties its use in "water and environment". This cable is especially designed for pumps connected with a variable speed or frequency system in order to avoid electromagnetic perturbations on the electronic equipment.