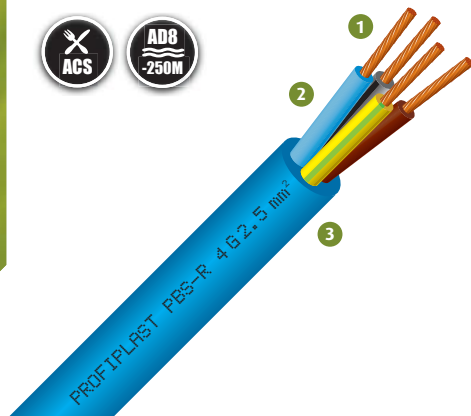


### PBS-R



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

#### 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 section mm<sup>2</sup> -  
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 17 MAT NY 042
- 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 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 guarantees its use in "water and environment".

Nominal cross-section (mm <sup>2</sup> )	Nominal composition	Diameter of insulated conductors (mm)	Nominal external diameter (mm)	Approximate linear weight (kg/km)
1 x 0.75	24 x 0.190	2.3	5.5	40
1 x 1.5	28 x 0.245	3.0	6.2	50
1 x 2.5	47 x 0.245	3.6	6.8	64
1 x 4	56 x 0.290	4.3	7.7	85
1 x 6	80 x 0.290	4.8	8.5	110
1 x 10	84 x 0.380	6.2	9.5	165
1 x 16	132 x 0.380	7.4	11.5	240
1 x 25	175 x 0.400	9.5	13.5	340
1 x 35	238 x 0.400	10.6	15.0	480
1 x 50	377 x 0.400	12.9	17.5	675
1 x 70	340 x 0.500	14.8	20.0	900
1 x 95	444 x 0.500	16.6	22.5	1200
1 x 120	568 x 0.500	18.4	24.0	1400
3 x 1.5	28 x 0.245	3.0	10.0	135
3 x 2.5	47 x 0.245	3.6	11.8	175
3 x 4	56 x 0.290	4.3	13.4	250
3 x 6	80 x 0.290	4.8	15.0	352
3 x 10	84 x 0.380	6.2	16.0	475
3 x 16	132 x 0.380	7.4	20.0	685
3 x 25	175 x 0.400	9.5	27.0	1050
3 x 35	238 x 0.400	10.6	30.0	1305
3 x 50	377 x 0.400	12.9	34.0	1820
4 x 1.5	28 x 0.245	3.0	11.0	163
4 x 2.5	47 x 0.245	3.6	12.9	245
4 x 4	56 x 0.290	4.3	14.7	340
4 x 6	80 x 0.290	4.8	16.9	455
4 x 10	84 x 0.380	6.2	22.5	680
4 x 16	132 x 0.380	7.4	24.0	950
4 x 25	175 x 0.400	9.5	29.0	1450
4 x 35	238 x 0.400	10.6	33.0	1850
4 x 50	377 x 0.400	12.9	38.0	2650
4 x 70	340 x 0.500	14.8	43.0	4150
5 x 1	32 x 0.190	2.5	11.1	140
5 x 1.5	28 x 0.245	3.0	12.3	200
5 x 2.5	47 x 0.245	3.6	14.2	265
5 x 4	56 x 0.290	4.3	16.6	395
5 x 6	80 x 0.290	4.8	18.7	590