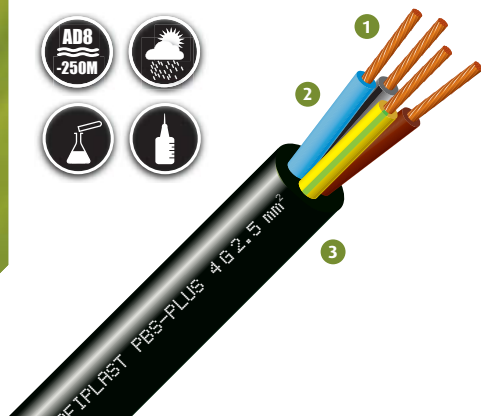


PBS-PLUS



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

Characteristics

- Operating temperature:
 - outdoor fixed installation: -50°C to +80°C
 - outdoor flexible installation: -40°C to +80°C
 - underwater fixed installation: +60°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
- Good resistance to salt water (desalination) and polluted water (effluents, sedimentation chambers)
- Good chemical inertness (solvents, acids, oils, hydrocarbons, etc.)
- Excellent resistance to UV and ozone radiations
- Resistance to ionising radiations: 80 Mrad

Marking

PROFIPLAST PBS-PLUS section mm² -
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

Packaging

Coils. Reels. Drums.

Options

- Flexible tin plated copper core: contact us
- Other cross-sections: contact us
- Shielded or armoured cable: contact us

Applications

PROFIPLAST® PBS-PLUS is ideal for the power supply of submersible pumps used in the water purification systems for the primary, secondary, tertiary physicochemical treatment as well as for the treatment of sludge. This cable offers excellent abrasion resistance and resists aggressive chemical environments.

Nominal cross-section (mm ²)	Nominal composition	Diameter of insulated conductors (mm)	Nominal external diameter (mm)	Approximate linear weight (kg/km)
2 x 1.5	28 x 0.245	3.0	9.2	64
3 x 1	32 x 0.190	2.5	9.0	100
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	32 x 0.190	2.5	9.8	120
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
7 x 1.5	28 x 0.245	3.0	14.0	260
7 x 2.5	47 x 0.245	3.6	15.0	350
4G1.5 + 2 x 1.5	28 x 0.245 + 28 x 0.245	3.0 - 3.0	15.0	200
4G2.5 + 2 x 1.5	47 x 0.245 + 28 x 0.245	3.6 - 3.0	16.0	290
4G4.0 + 2 x 1.5	56 x 0.290 + 28 x 0.245	4.3 - 3.0	20.0	380
7G2.5 + 2 x 1.5	47 x 0.245 + 28 x 0.245	3.6 - 3.0	21.0	390