

### PBS-USE + Bearer cable

Speciality cables  
OMERIN division polycable



- 1 Flexible bare copper core class 5 - IEC 60228
- 2 Insulation: isovinyl  
Plain or two-tone colours or numbering
- 3 Stainless steel bearer cable
- 4 Intermediate sheath
- 5 Sheath: PROFIPRENE  
Standard colour: black

#### 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
- Excellent resistance to UV radiations and bad weather
- Good chemical inertness (detergents, domestic detergents, acid, bleach, fertilisers, etc.)
- Good tensile strength

Nominal cross-section (mm²)	Nominal composition	Diameter of insulated conductors (mm)	Nominal external diameter (mm)	Approximate linear weight (kg/km)
3 x 1.5	28 x 0.245	3.0	14.5	300
4 x 1.5	28 x 0.245	3.0	14.5	330
4 x 2.5	47 x 0.245	3.6	15.5	365
4 x 6	80 x 0.290	4.8	17.5	575
7 x 2.5	47 x 0.245	3.6	17.0	470
7 x 4	56 x 0.290	4.3	19.0	625
7 x 6	80 x 0.290	4.8	20.3	750

#### Marking

PROFIPLAST PBS-USE + Bearer cable *section* mm² -  
IMMERSION PERMANENTE NF C 15-100 AD8

#### Certifications - Standards

- NF C 15-100, IEC 60228, NF C 32-070, IEC 60332-1
- PV d'homologation AD8 par le Bureau Veritas selon NF C 32-102-16 A-B

#### Packaging

Coils. Reels. Drums.

#### Options

- Flexible tin plated copper core: contact us
- Other cross-sections: contact us
- Addition of pipes, capillaries or mini tubes: contact us

#### Applications

Ideal for the power supply of submersible pumps for collection, pretreatment, treatment and evacuation of waste water, PROFIPLAST® PBS-USE is a technical alternative to H07RN-F. Fully resistant to purification products, this range of cables is ideal for the power supply of rain water and polluted water drainage pumps and has reinforced mechanical strength. The integrated stainless steel bearer cable makes it possible to carry or move the pump using the cable.