

Cu/HMWPE/PVC/ SWA/SWA/HMWPE



Areas of Use

CP Cable is used as direct earth burial DC feeder cable in cathodic protection systems. Anode cables for all offshore anodes that are installed with the cable lying directly on the sea bed shall be armored.*

Cable Construction

| | |
|---------------------|---|
| Conductor | Stranded Annealed Copper (IEC/EN 60228, Class 2) |
| Insulation | High Molecular Weight Polyethylene (Black) Acc. to ASTM D1248 Type 3, Class C, Category 5, IEC 60502, ST7 |
| 1. Armour | Round Galvanized Steel Wires |
| 2. Armour | Round Galvanized Steel Wires |
| Outer Sheath | High Molecular Weight Polyethylene (Black) Acc. to ASTM D1248 Type 3, Class C, Category 5, IEC 60502, ST7 |
| Reference Standards | 17-SAMSS-017 |
| Inner Sheath | PVC (Black) |

Technical Properties

| | |
|----------------------|--|
| Operating Voltage | 0.6/1 kV |
| Test Voltage | 3.5 kV |
| Temperature Range | Operation: -30°C...+90°C, Installation: -5°C...+70°C |
| Conductor Resistance | IEC/EN 60228 |
| Min. Bending Radius | 15 x Cable Diameter |

Cross Section

| Configuration / Cross-Section (mm/mm ²) | Cable Diameter (mm) (± 5%) | Copper Weight (kg / km) | ~ Cable Weight (kg / km) |
|---|----------------------------|-------------------------|--------------------------|
| 1 x 50 | 27,7 | 415 | 1.950 |
| 1 x 70 | 29,3 | 606 | 2.260 |

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