

Cu/HMWPE



Areas of Use

HMWPE cable is electrically connected (directly or indirectly) to the negative output terminal of a cathodic protection power supply. This includes bond cables to a cathodically protected structure. CP Cable is used as direct earth burial DC feeder cable in cathodic protection systems.

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 |
| Reference Standards | 17-SAMSS-017 |

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 | 7.5 x Cable Diameter |

Cross Section

| Configuration / Cross-Section (mm/mm²) | Cable Diameter (mm) (± 5%) | Copper Weight (kg / km) | ~ Cable Weight (kg / km) |
|--|----------------------------|-------------------------|--------------------------|
| 1 x 4* | 8,10 | 35 | 85 |
| 1 x 6* | 8,70 | 52 | 110 |
| 1 x 10* | 9,40 | 93 | 155 |
| 1 x 16 | 10,30 | 140 | 230 |
| 1 x 25 | 11,60 | 225 | 310 |
| 1 x 35 | 12,60 | 310 | 400 |
| 1 x 50 | 14,30 | 415 | 530 |
| 1 x 70 | 16,60 | 606 | 745 |
| 1 x 95 | 17,8 | 820 | 1.005 |
| 1 x 120 | 20,50 | 1.060 | 1.290 |
| 1 x 150* | 23,8 | 1.350 | 1590 |
| 1 x 185 | 24,40 | 1.640 | 1.905 |
| 1 x 240 | 26,50 | 2.100 | 2.390 |

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