

SnCu/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 Tinned Copper (IEC 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/mm ²)	Cable Diameter (mm) (± 5%)	Copper Weight (kg / km)	~ Cable Weight (kg / km)
1 x 2.5*	7,6	22	70
1 x 4*	8,2	35	85
1 x 6*	8,7	55	110
1 x 10*	9,4	90	150
1 x 16	10,3	145	210
1 x 25	11,9	210	300
1 x 35	13,2	315	410
1 x 50	14,4	420	530
1 x 70	17,0	615	755
1 x 95	17,8	852	1.005
1 x 120	20,5	1.060	1.290
1 x 150*	23,8	1.345	1590
1 x 185	24,4	1.702	1.850
1 x 240	28,3	2.230	2.400

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