

## 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

<b>Conductor</b>	Stranded Annealed Tinned Copper (IEC 60228, Class 2)
<b>Insulation</b>	High Molecular Weight Polyethylene (Black) Acc. to ASTM D1248 Type 3, Class C, Category 5, IEC 60502, ST7
<b>Reference Standards</b>	17-SAMSS-017

### Technical Properties

<b>Operating Voltage</b>	0.6/1 kV
<b>Test Voltage</b>	3.5 kV
<b>Temperature Range</b>	Operation: -30°C...+90°C, Installation: -5°C...+70°C
<b>Conductor Resistance</b>	IEC/EN 60228
<b>Min. Bending Radius</b>	7.5 x Cable Diameter

### Cross Section

Configuration / Cross-Section (mm/mm <sup>2</sup> )	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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