

## 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

<b>Conductor</b>	Stranded Annealed Copper (IEC/EN 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 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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