

1500V MESLA BESS CABLE



APPLICATION

This cable is used for internal and external within Battery Energy Storage System (BESS) .
The nominal permissible DC voltage of the system must not exceed 1.5kV.

CONSTRUCTION

Tinned copper fine wire conductor
Core insulation: cross linked Halogen free compound
Outer sheath: cross linked Halogen free compound
Outer sheath colour; Black

TECHNICAL DATA

Rated voltage:	DC: 1.5/1.5kV. Max. permissible DC operating voltage 1.8kV (conductor & conductor)
Test voltage:	AC 6500 V
Temperature:	Fixed: Max. conductor operating temperature, per EN 60216-1: 120°C
Bending radius:	Fixed: 5 X Ø Occasional flexing: 10 X Ø
Reference standard:	EN 50618

No. of cores x Nominal Area (mm ²)	Outer diameter approx. (mm)	Cable Weight Approx. (kg/km)
1 X 1.5	4.5	18
1 X 2.5	5.1	28
1 X 4.0	5.4	45
1 X 6.0	6.0	65
1 X 10	7.1	105
1 X 16	8.6	170
1 X 25	10.5	230
1 X 35	12.2	330
1 X 50	14.4	480

No. of cores x Nominal Area (mm ²)	Outer diameter approx. (mm)	Cable Weight Approx. (kg/km)
1 X 70	16.2	665
1 X 95	18.2	900
1 X 120	19.8	1130
1 X 150	22.0	1420
1 X 185	25.0	1765
1 X 240	28.0	2250