

Vandapower distributes the Global Cables brand of high quality power and data cables. Both single conductor and multi conductor, both European and UL standards. Please feel free to contact us for any special cable requirements.

Single Conductor Cable



TPE BATTERY CABLE Class 6



TECHNICAL SPECIFICATIONS

Cable standards	Adapted to BS 6862
Voltage rating	Max 200 V
Test Voltage	1000 V
Temperature rating	-40°C to +90°C
Cable construction	Bare copper wires as per EN 60228, class 6
Insulation	Thermoplastic Elastomer
Special properties	Resists for 60h acid resistance test in sulphuric acid with specific gravity 1,28 at a temperature of 160°C to 210°C No effect on insulation: insulation free from deformation and shrinkage Chemical resistance: resistant to ozone, acids, solvents, detergents, vaseline and oils

CABLE DESIGN PARAMETERS

Nominal Cross-Section (mm ²)	No. of Wires	Max. Diameter of wires in Conductor (mm)	Nominal overall diameter (mm)	Max. DC Conductor Resistance at 20°C (Ω/km)
10	334	0,20	8,2	1,91
16	520	0,20	9,1	1,21
25	884	0,20	11,1	0,78
35	1176	0,20	12,8	0,554
50	1568	0,20	14,0	0,386
70	2205	0,20	16,0	0,272
95	2989	0,20	18,0	0,206

ELECTRICAL PROPERTIES

Nominal Cross-Section (mm ²)	10	16	25	35	50	70	95
Current Rating (A)	85	113	153	188	223	276	329

CONVERSION FACTOR FOR DEVIATING AMBIENT AIR TEMPERATURE

Ambient air T (°C)	30	35	40	45	50	55	60	65	70	75	80	85
Derating factor	1	0,96	0,91	0,87	0,82	0,76	0,71	0,65	0,58	0,50	0,41	0,29

PRODUCT CODES

Per meter



ORDERING CODE	COLOR	SECTION (mm ²)	Factory Packaging (standard drum length in m)
K-BAT-NF-10	Black	10	500
K-BAT-NF-16	Black	16	500
K-BAT-NF-25	Black	25	500
K-BAT-NF-35	Black	35	500
K-BAT-NF-50	Black	50	250
K-BAT-NF-70	Black	70	250
K-BAT-NF-95	Black	95	250

ORDERING CODE FOR BULK

Example:

K-BAT-NF-10-025M-0

Cable: _____

TPE Battery Cable

Section and color: _____





10 - 10 mm² Black
 16 - 16 mm² Black
 25 - 25 mm² Black
 35 - 35 mm² Black
 50 - 50 mm² Black
 70 - 70 mm² Black
 95 - 95 mm² Black

Length: _____

025M - 25 meter
 050M - 50 meter
 100M - 100 meter

Packaging: _____

0 - Ring with cable ties (*standard packaging*)
 F - Plastic shrink foil
 T - Plywood drum
 P - Plastic drum
 W - Wooden drum

BULK PACKAGING		
Code	Description	Picture
0	Ring with cable ties = <i>standard packaging</i>	
F	Plastic shrink foil	
T	Plywood drum	
P	Plastic drum	
W	Wooden drum	