

## Battery Cables



PVC or TPE Insulated  
Battery Cables

## PVC Insulated Battery Cables

Single Core PVC Insulated  
(unsheathed) Battery Cables



“Garutmaan” Single Core PVC insulated (unsheathed) battery cables, are manufactured using high conductivity, electrolytic grade, bright, plain annealed copper conductors.

The cables are suitable for extreme conditions that prevail in automobile and other engines. These cables are insulated with a special PVC compound, which is resistant to most fuels and lubricants used in engines.

Battery cables are manufactured in sizes ranging from 10 to 95 mm<sup>2</sup>.

### Technical Data :

Type	: Battery Cable
Conductor	: Plain Annealed Flexible Copper (Class 5), as per IS 8130
Insulation	: PVC Type A, as per IS 5831
Ref. Specifications	: IS 2465
Cable Range	: 10 mm <sup>2</sup> to 95 mm <sup>2</sup>
Working Voltage	: Up to 100 V
Application	: The cables are commonly used for giving supply from the battery to the starter.
Normal Packing Length	: In 100 m coils. Longer lengths can be made available on request.
Standard Colors	: Usually Red or Black (Or as per customer's specification)

Garutmaan Item Code	Nominal Area of Copper Conductor	Number / Dia. Of strands (Nom.)	Thickness Of Insulation (Nom.)	Overall Diameter (Approx.)	Conductor Resistance @20°C (Max.)	Approx. Weight
	mm <sup>2</sup>	mm	mm	mm	Ω/km	kg/km
BTSTISC0201008	10	140/0.3	1.0	6.2	1.91	111
BTSTISC0201009	16	126/0.4	1.0	7.3	1.21	167
BTSTISC0201010	25	196/0.4	1.2	9.1	0.780	263
BTSTISC0201011	35	276/0.4	1.2	10.3	0.554	361
BTSTISC0201012	50	396/0.4	1.4	12.4	0.386	514
BTSTISC0201013	70	360/0.5	1.4	14.2	0.272	719
BTSTISC0201014	95	475/0.5	1.6	16.5	0.206	961

**Note:**

The above data is indicative, and may be revised without prior notice, as a part of ongoing development activities and continual improvement efforts. The conductor construction (number of wires & strand diameter) may be revised, but will satisfy the requirements of IS 8130.

## TPE Insulated Super-Flexible Battery Cables

Single core  
(unsheathed)  
battery cable



“Garutmaan” Single Core TPE insulated (unsheathed) super-flexible battery cables, are manufactured using high conductivity, electrolytic grade, bright, plain annealed copper conductors.

The cables are suitable for extreme conditions that prevail in automobile and other engines. These cables are insulated with a special TPE based compound, which is resistant to most fuels and lubricants used in engines.

These super-flexible battery cables are manufactured in sizes ranging from 10 to 95 mm<sup>2</sup>.

### Technical Data :

Type	: Super-Flexible Battery Cable
Conductor	: Plain Annealed Flexible Copper (Class 6), as per IS 8130
Insulation	: Thermoplastic Elastomer (TPE)
Ref. Specifications	: Generally as per IS 2465
Cable Range	: 10 mm <sup>2</sup> to 95 mm <sup>2</sup>
Working Voltage	: Up to 100 V
Application	: The cables are commonly used for giving supply from the battery to the starter.
Normal Packing Length	: In 100 m coils. Longer lengths can be made available on request.
Standard Colors	: Red or Black

Garutmaan Item Code	Nominal Area of Copper Conductor	Number / Dia. Of strands (Nom.)	Thickness Of Insulation (Nom.)	Overall Diameter (Approx.)	Conductor Resistance @20°C (Max.)	Approx. Weight
	mm <sup>2</sup>	mm	mm	mm	Ω/km	kg/km
BTSFISC0301008	10	320/0.2	1.6	8.8	1.91	136
BTSFISC0301009	16	511/0.2	1.6	10.0	1.21	200
BTSFISC0301010	25	784/0.2	1.6	11.0	0.780	287
BTSFISC0301011	35	1176/0.2	1.6	12.8	0.554	419
BTSFISC0301012	50	1568/0.2	1.8	14.0	0.386	554
BTSFISC0301013	70	2205/0.2	1.8	16.0	0.272	779
BTSFISC0301014	95	2989/0.2	1.8	18.0	0.206	1043

**Note:**

The above data is indicative, and may be revised without prior notice, as a part of ongoing development activities and continual improvement efforts. The conductor construction (number of wires & strand diameter) may be revised, but will satisfy the requirements of IS 8130.



DESIGN RITU 98906 59256 (S-17)

Manufactured by :



**UNI-TECH**  
Automation Pvt. Ltd.

**Regd. Office & Unit I :**

S. No. 79/2, Plot No. 7, Shivane, Pune : 411023  
Maharashtra, India. Tel : +91-20-25292392  
info@uni-techautomation.com  
www.uni-techautomation.com

**Unit II :**

Gat No. 837, 838, Palshi Road,  
Off Pune- Bengaluru Highway, SHIRWAL,  
Taluka: Khandala, Dist: Satara : 412801  
Maharashtra, India

