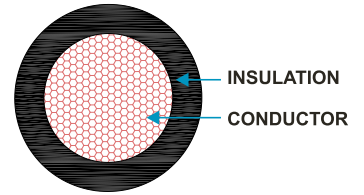




Battery Cables

PVC Single Core Cables



1501 - Battery Cables

Application

Automotive PVC insulated single-core cable is used for low voltage circuits in automobiles, vehicles and motorcycle battery cables.

Properties

- Flame retardant
- Highly resistant against acids, lyes, petrol and diesel
- Flexible conductor with PVC normal insulation thickness for battery cables
- Extra flexibility
- RoHS compliance

Construction

- Conductor : Soft-annealed electrolytic Copper E-Cu ETP1 according to IS 8130
- Insulation : Plasticized PVC lead free

Technical Parameter

- Temperature range : - 40°C to +70°C (3000 Hours)
- Spark test voltage : 3kV
- Voltage rating : Not exceed 100V



Standard Battery Cable

Part code	Nominal Cross Section	No. of Strands	Max. Strand Diameter	Outer Diameter max.	Max. DC Conductor Resistance at 20oC Ω/km
	mm ²	No./mm	mm	mm	mm
1501B010250	25	196	0.40	9.7	0.780
1501B010350	35	276	0.40	12.2	0.554
1501B010500	50	396	0.40	13.3	0.386
1501B010700	70	360	0.50	14.6	0.272

Flexible Battery Cable

Part code	Nominal Cross Section	No. of Strands	Max. Strand Diameter	Outer Diameter max.	Max. DC Conductor Resistance at 20oC Ω/km
	mm ²	No./mm	mm	mm	mm
1501B010160F	16	512	0.20	8.3	1.21
1501B010250F	25	800	0.20	10.1	0.780
1501B010350F	35	1120	0.20	11.8	0.554
1501B010500F	50	705	0.30	13.3	0.386
1501B010700F	70	990	0.30	15.5	0.272
1501B010950F	95	1340	0.30	17.9	0.206
1501B011200F	120	1690	0.30	19.7	0.161

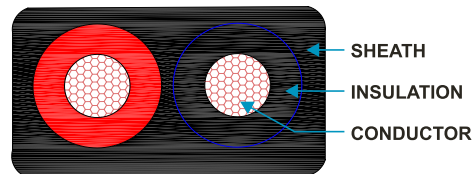
F= Flexible





Battery Cables

PVC Multi Core Cables



Application

PVC battery cable has a wide range of applications in DC battery systems in the automotive industry, process control industry and is widely used in automation. It is used to provide power to a variety of electrical vehicles and connection to DC operated conveyor systems etc. PVC battery cable is a flexible double insulated twin-core cable with a clear outer sheath. For indoor or outdoor use in the dry or wet.

Properties

- Flame retardant
- Highly resistant against acids, petrol and diesel
- Extra flexibility
- RoHS compliance

Construction

- Conductor : Class 6 very flexible copper
- Insulation : Thermoplastic elastomer (TPE)
- Sheath : Polyvinyl chloride (PVC) - (VDE0250 BS EN 60332-1-2) TM2 according to BS EN 50363
- Sheath colour : Natural / transparent / black

Technical Parameter

- Voltage rating : 450/750 Volts
- Temperature limits : -20°C to +70°C Minimum
- Cores : Black Red



Dimension

Part code	Conductor Size	Number of Cores	Thickness of Insulation	Normal Thickness of Sheath	Overall Diameter	Weight
	mm ²		mm	mm		
1502B020025	2.5	2	0.8	0.8	4.4 x 10.8	90
1502B020040	4	2	0.8	0.8	6.5 x 14.5	120
1502B020060	6	2	1.0	1.0	7.1 x 15.5	190
1502B020100	10	2	1.0	1.2	7.9 x 17.6	294
1502B020160	16	2	1.0	1.2	10.0 x 21.5	420
1502B020250	25	2	1.1	1.3	11.2 x 24.3	627
1502B020350	35	2	1.1	1.3	12.4 x 25.9	824
1502B020500	50	2	1.2	1.4	14.5 x 30.5	1132
1502B020700	70	2	1.6	1.6	17.2 x 36.5	1600

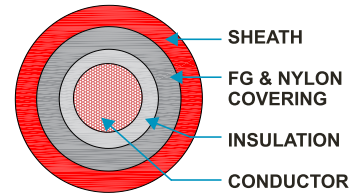


1502 - Battery Cables



Battery Cables

HRFR Uninyvin Battery Cable



1503 - Battery Cables

Application

Uninyvin HRFR Battery cable has a wide range of applications in DC battery systems in genset and UPS application

Properties

- Heat resistant and flame retardant
- Highly resistant against acids, petrol and diesel
- Good flexibility
- Good abrasive resistance
- RoHS compliance

Construction

- Conductor : ATC Class 5 very flexible copper
- Insulation : HR 105°C PVC
- Inner sheath : Fibre glass & nylon braid with lacquer
- Sheath : HRFR PVC

Technical Parameter

- Voltage rating : 600/1000 Volts
- Temperature limits : -30°C to +105°C Minimum
- Bending radius : 3 to 6 times of cable diameter
- Cores : Black and Red



Genset Battery cables

Part code	Uninyvin Cable	Size(area)	Conductor Diameter Max	Diameter Over Braid /Lacquer Max	Overall Diameter (HRFR)	Conductor Resistance at 20°C "Max"	Max Current Rating BS-G-177
	AWG	Sq.mm.	mm	mm	mm	Ω/900m	Amps
1503T601	6	13.3	5.54	7.50	9.50	1.30	115
1503T401	4	21.5	6.90	9.30	11.30	0.802	160
1503T201	2	33.3	8.76	11.00	13.0	0.517	200
1503T101	1	40.7	9.75	12.20	14.20	0.423	220
1503T001	0	53.0	11.0	13.70	15.70	0.325	240
1503T0001	00	68.3	12.4	15.40	17.40	0.252	270
1503T00001	000	84.2	13.9	16.90	19.00	0.204	300
1503T000001	0000	109	15.6	18.70	21.00	0.158	350

