STERLING CABLES

Where purity leads to safety

Multi Core Flexible Cables 450 / 1100 V
PVC Insulated and PVC Sheathed, CU/PVC/PVC

Technical Specifications:

Applications

Used for mobile electrical equipment and units, supply pumps and motors, etc., in which cables with high flexibility are required. These cables are also used in household appliances such as, washing machines, refrigerators, kitchen equipment, and in offices and prefabricated houses

Standard

As per IEC 60502 & IS:694

Rated Voltage

Working voltage up to 450/1100 V

Conductor

Annealed flexible copper as per IEC 60228 Class 5, IS:8130, Class 5

Insulation

PVC type PVC/A temperature rating 70 °C as per IEC 60502 & IS:5831 (PVC rated 85 °C or 105 °C available on request)

Assembly

Laying up of insulated cores together to form round cable

Sheath

PVC type ST1 temperature rating 80 °C as per IEC 60502 & IS: 5831(PVC rated 85 °C or 105 °C available on request)

Packing

90 mtrs / 500 mtr / 1000 meter

Other Lengths available on requrest.

Technical Data

Nominal Cross Sectional area of conductor	Number X Nominal Dia of conductor Strands	Thickness of Insulation (Nom)	Nominal Thickness of Sheath	Approx Overall Dimension			Max Conductor Resistance at 20°C (Max.)
				Two Core	Three Core	Four Core	
sq. mm.	mm	mm	mm.	mm	mm	mm	Ohms
0.50	16/0.20	0.6	0.9	6.2	6.5	7.0	39.0
0.75	24/0.20	0.6	0.9	6.6	6.9	7.5	26.0
1.00	32./0.20	0.6	0.9	6.9	7.3	7.9	18.1
1.50	22/0.30	0.6	0.9	7.4	7.8	8.7	12.1
2.50	36/0.30	0.7	1.0	8.8	9.4	10.2	7.41
4.00	56/0.30	0.8	1.0	10.2	10.9	11.9	4.95
6.00	84/0.30	0.8	1.1	11.5	12.2	13.6	3.30
	Colour			Red/Black	Red/Black/Green	Red/Black/Blue/Green	

Sterling India

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www.sterlingwires.co.in

STERLING CABLES

Where purity leads to safety

Multi Core Stranded Cables 450 / 1100 V
PVC Insulated and PVC Sheathed, CU/PVC/PVC

Technical Specifications:

Applications
Used for transferring electrical signals between control units and also used in alarm systems

Standard
As per IEC 60502- 1 & IS:694

Rated Voltage
Working voltage up to 450/1100 V

Conductor
Annealed stranded copper
As per BS EN 60228 & IEC 60228 Class 2 & IS:8130 Class 2

Insulation
PVC type PVC/A temperature rating 70 °C as per IEC 60502-1 & IS:5831 (PVC rated 85 °C or 105 °C available on request)

Assembly
Laying up of insulated cores together to get round cable

Sheath
PVC type ST1 temperature rating 80 °C as per
IEC 60502-1 & IS:694
(PVC rated 85 °C or 105 °C available on request)

Packing
Available in standard length of 90 Mtr colour of Black/White/Grey

Technical Data

Nominal Cross Sectional area of conductor	Number X Nominal Dia of conductor Strands	Thickness of Insulation (Nom)	Nominal Thickness of Sheath	Approx Overall Dimension			Max Conductor Resistance at 20°C (Max.)
				Two Core	Three Core	Four Core	
sq. mm.	mm	mm	mm.	mm	mm	mm	Ohms
1.50	7 x 0.520	0.6	0.9	7.4	7.8	8.7	12.1
2.50	7 x 0.670	0.7	1.0	8.8	9.4	10.2	7.41
4.00	7 x 0.850	0.8	1.0	10.2	10.9	11.9	4.95
6.00	7 x 1.040 Colour	0.8	1.1	11.5 Red/Black	12.2 Red/Black/Green	13.6 Red/Black/Blue/Green	3.30

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Where purity leads to safety

3 Core Stranded Flat Cables 450 / 1100 V

Technical Specifications:

Applications
Used for supplying power to fixed electrical equipment ,appliances & deep water wells various types of buildings. Due to its flat shape it occupies lesser space when fixed on external or internal walls of buildings and in outdoor electronic signboards

Standard
As per BS 6231 & IS:694

Rated Voltage
Working voltage up to 450/1100 V

Conductor
Annealed stranded copper as per BS EN 60228 Class 2 & IS:8130

Insulation
PVC type TI1 temperature rating 70 °C as per BS 7655 & IS:5831
(PVC rated 85 °C or 105 °C available on request)

Sheath
PVC temperature rating 70 °C as per BS 7655
(PVC rated 85 °C or 105 °C available on request)

Packing
Available in standard lengths of 100 Mtr/500 Mtr Spools Drums
Core Colours: Red/Yellow/Blue
Outer Sheathing Colour: Black

Technical Data

Nominal area of conductor	INSULATION		SHEATH Approx Overall Dimension		Max Conductor Resistance at 20°C (Max.)
	*Number/ Size of Wire for each Core	Thickness (Nom.)	Width	Height	
sq. mm.	mm	mm	(Nom.) mm	(Nom.) mm	Ohm/Km
1.50	7 x 0.520	0.7	10.6	5.7	12.1
2.50	7 x 0.670	0.8	12.7	6.6	7.41
4.00	7 x 0.850	0.8	14.6	7.6	4.95
6.00	7 x 1.040	0.9	16.6	8.6	3.3
10.00	7 x 1.340	0.9	21	10.5	1.91

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Where purity leads to safety

3 Core Flexible Flat Cables 450 / 1100 V

Technical Specifications:

Applications
Used for supplying power to fixed electrical equipment ,appliances & deep water wells various types of buildings. Due to its flat shape it occupies lesser space when fixed on external or internal walls of buildings and in outdoor electronic signboards

Standard
As per BS 6231 & IS:694

Rated Voltage
Working voltage up to 450/1100 V

Conductor
Annealed stranded copper as per BS EN 60228 Class 2 & IS:8130

Insulation
PVC type TI1 temperature rating 70 °C as per BS 7655 & IS:5831
(PVC rated 85 °C or 105 °C available on request)

Sheath
PVC temperature rating 70 °C as per BS 7655
(PVC rated 85 °C or 105 °C available on request)

Packing
Available in standard lengths of 100 Mtr/500 Mtr Spools Drums
Core Colours: Red/Yellow/Blue
Outer Sheathing Colour: Black

Technical Data

Nominal area of conductor	INSULATION		SHEATH Approx Overall Dimension		Max Conductor Resistance at 20°C (Max.)
	*Number/ Size of Wire for each Core	Thickness (Nom.)	Width	Height	
sq. mm.	mm	mm	(Nom.) mm	(Nom.) mm	Ohm/Km
1.00	15/0.300	0.7	9	4.1	18.1
1.50	22/0.300	0.7	10.6	5.7	12.1
2.50	36/0.300	0.8	12.7	6.6	7.41
4.00	56/0.300	0.8	14.6	7.6	4.95
6.00	84/0.300	0.9	16.6	8.6	3.3
10.00	140/0.300	0.9	21	10.5	1.91

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Where purity leads to safety

Parallel Twin Cables/Ribbon Cables 450 / 1100 V PVC Insulated, Non-Sheathed Cable

Technical Specifications:

Applications
Used for internal wiring inside electrical equipment and appliances. Its main feature is its flat shape

Standard
As per BS 6231 & IS:694

Rated Voltage
Working voltage up to 450/1100 V

Conductor
Annealed flexible copper as per BS EN 60228 Class 5 & IS:8130

Insulation
PVC temperature rating 70 °C as per BS 7655 & IS:5831
(PVC rated 85 °C or 105 °C available on request)

Packing
Available in standard length of 100 yard coils
Other lengths available upon request

Colour Sheathing: White/Black

Length: 90 Mtrs or as per request

Technical Data

Sr. No.	No. of Cores	Conductor		Nominal Insulation Thickness	Approx Over All Diameter
		Size	Cons.		
		mm2	No. x mm	mm	mm
1	2	0.5	16 x .20	0.9	2.5 x 5.30
2	2	0.75	24 x .20	0.9	2.80 x 5.90
3	2	1.0	32 x .20	0.9	2.90 x 6.10
4	2	1.0	15 x .30	0.9	2.90 x 6.10
5	2	1.5	22 x .30	0.9	3.30 x 7.00
6	2	1.5	48 x .20	0.9	3.30 x 7.00

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