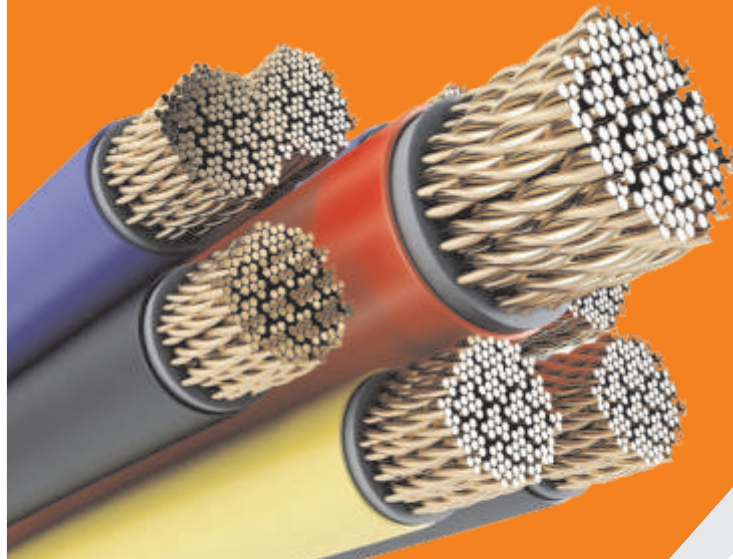


Technical Specifications



BALAJI CABLE INDUSTRIES



AN ISO
9001:2008
CERTIFIED COMPANY





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About Us

Balaji Cable Industries is one of the renowned manufacturers of cables in the Cable Industry in India. Our range encompasses a large variety of wires & cables including Flexible Cables, Control & Power Cables (Unarmoured), Submersible Cables, Submersible Flat Cables and FRLS cables.

Our Quality Assurance department performs regular checks on quality of cables online & offline to deliver high quality of cables. We have established a favorable image in the eyes of people for reliability and commitment.

Our Product Range

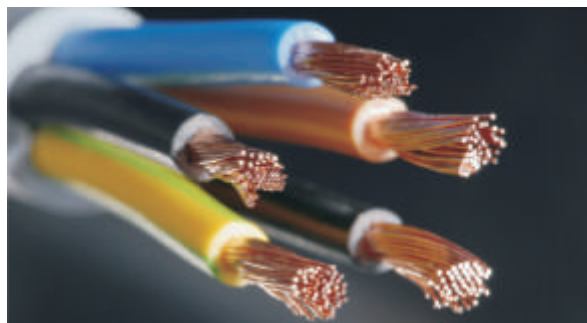
PVC Insulated Solid/Stranded Copper/Aluminium Conductor Single Core Unsheathed Cables upto 240.0 Sq.mm. conforming to IS:694:2010.

FRLS PVC/FRHF Compound Insulated Solid/Stranded, Copper/Aluminium Conductor Single Core Unsheathed Cable upto 240.0 Sq.mm. as per IS:694:2010.

Single Core & Multi Core Flexible Cable conforming to IS:694:2010.

Two Core, Three Core, and Four Core Unarmoured Copper/Aluminium Conductor Cables upto 50.0 Sq.mm. conforming to IS:694:2010.

FRLS PVC/FRHF Compound Insulated/ Sheathed Multicore Cables.



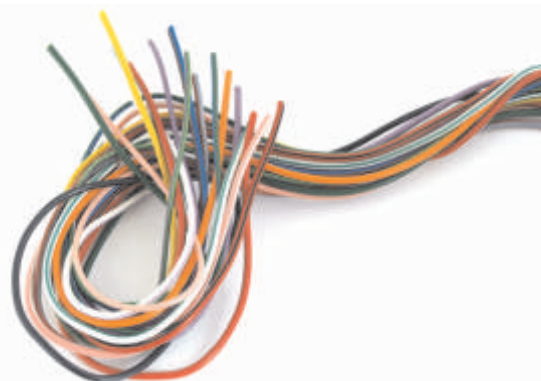
Quality Assurance Plan

We have a vigorous Quality Manual Plan comprising testing of incoming material, in line checks during production and final testing. The quality manual program is regularly reviewed to upgrade it.

Our laboratory is equipped with all the instruments to ensure that the various tests required under different specification are conducted before cables are cleared for despatch. Each consignment of cables is despatched to the customer with test report results of tests conducted in our laboratory. The details of tests conducted on raw material in process and on final stage are given below:-

Test on Raw Materials

Raw materials are procured from approved vendors. Testing on raw material starts from vendor's end. The raw material are received along with the vendor's test report. The following tests conducted to test the raw material/verify the vendor's test report.



Conductor:-

Tests are conducted on conductor as per IS:8130:1984 or latest. Apart from these tests, if customers requires any other additional test. Those tests are also conducted.

Conductor Resistance	100% with the help of Kelvin Double Bridge for wires up to 0.4mm. diameter. Finer wires by sampling of 10% on lot basis.
Conductor Elongation	100% on Tensile Testing machine for wires upto 0.4mm diameter, Finer wires by sampling of 10% on lot basis.
Solder Bath/Persulphate (For Tinned conductors only)	100% for wires up to 0.4mm. diameter, Finer wires by sampling of 10% on lot basis.
Wrapping Test (For Aluminium Conductor Only)	100% Wrapping is done manually
Tensile Strength (For Aluminium Only)	100% on Tensile Testing Machine.

P.V.C. Compound:-

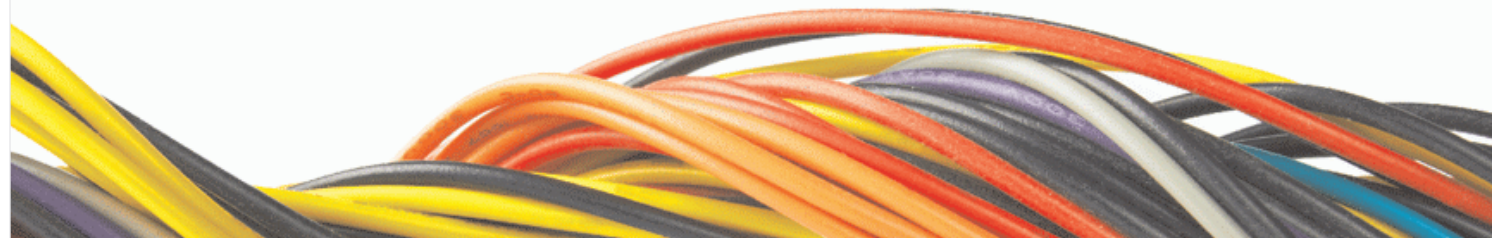
Tests are conducted on PVC Compound are as per IS:5831:1984. Apart from these tests, if customers require any additional test. Those tests are also conducted.

Sample of every consignment is first run on trial basis and following tests are conducted:

Insulation Resistance	With Megha Ohms Meter.
Elongation	With Tensile Testing Machine.
Tensile Strength	With Tensile Testing Machine.
Spark Testing	With on line Spark Testers.
High Voltage Test	With High Voltage Tester.
Thermal Stability Test	With Oven & PH Paper.
Oxygen & Temperature Index	With Oxygen Test Appartus Specification - D 2863.
Smoke Density Test	With Smoke Density Test Appartus Specification - D 2843
HCL Gas Generation Test	With HCL Gas EmissionTest Appartus Specification JEC-754-1

Type Tests

Bleeding & Blooming	With Bleeding & Blooming tape and HST Oven.
Ageing	With Ageing Oven.
Hot Deformation	With Hot Deformation Apparatus.
Loss of Mass	With Electronic Balance & Additional Ageing Oven with Air Flow.



In Process Testing

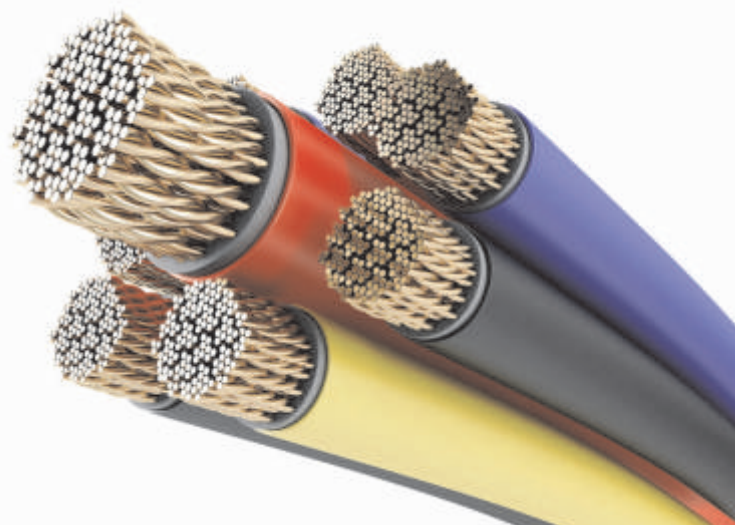
PROCESS	TESTS
CONDUCTOR STRANDING	Dimension of Conductor. Lay Length & Direction of Lay. Surface and Shape of Conductor. D.C. Resistance.
INSULATION [PVC EXTRUSION]	Dimension of Core. Insulation Thickness. Eccentricity of Insulation Wall. Spark Test.
LAYING OF CORES.	Sequence of Cores. Lay Length & Direction of Lay. Laid Up Diameter. Circularity of Cable. High Voltage Test. Conductor Resistance Test.
OUTER SHEATH [PVC EXTRUSION]	Surface. Concentricity. Thickness. Overall Diameter. Embossing /Printing with requisite Information on outer sheath.

All the cables coils/drums leaving Our works undergo the following tests at final stage of manufacturer:

Routine Tests

Conductor Resistance Test

High Voltage Test



Acceptance Tests

Conductor Resistance Test
Annealing Test [For Copper]
Tensile Strength Test [For Aluminium]
Wrapping Test [For Aluminium]
Thickness of Insulation & Sheath.
Tensile Strength & Elongation Test of Insulation & Sheath.
Oxygen & Temperature Index Test [For FRLS PVC / FRHF Insulation & Sheath.]
Smoke Density Test [For FRLS PVC / FRHF Insulation & Sheath.]
HCL Gas Generation Test [For FRLS PVC / FRHF Insulation & Sheath.]
Insulation Resistance Test.
High Voltage Test at Room temperature.
Flammability Test.

Type Tests

Conductor Resistance Test
Annealing Test [For Copper]
Tensile strength Test [For Aluminium]
Wrapping Test [For Aluminium]
Thickness of Insulation & Sheath.
Tensile Strength & Elongation Test of Insulation & Sheath.
Ageing in air Oven of Insulation & Sheath.
Shrinkage Test of Insulation & Sheath.
Hot Deformation Test of Insulation & Outer Sheath.
Heat Shock Test of Insulation & Outer Sheath.
Loss of Mass Test of Insulation & Outer Sheath.
Oxygen & Temperature Index Test [For FRLS PVC / FRHF Insulation & Sheath.]
Smoke Density Test [For FRLS PVC / FRHF Insulation & Sheath.]
HCL Gas Generation Test [For FRLS PVC / FRHF Insulation & Sheath.]
Insulation Resistance Test.
High Voltage Test [water Immersion & at Room temperature]
Flammability Test.

Optional Tests

Cold Bend Test.
Cold Impact Test.
Additional Ageing Test.



Cable Design & Construction

"BAN CAB & RISTA CAB" brand PVC Insulated Cables are as per IS:694:2010 and are suitable for Fixed Wiring & Flexible Operation. These cables are suitable for use on AC Single phase or Three phase [Earthed or Unearthed] systems for rated voltage upto and including 1100 Volts. These cables may be used on D.C. systems for rated voltage upto and including 1500 Volts earth.

Conductor:

The most acceptable metals for conductor are copper and aluminium due to their high conductivity. Generally, Copper conductor is used. Conductors are drawn from electrolytic grade copper to ensure compliance with International Standards. The most economical construction for conductor is solid conductor. As area of conductor increases, solid conductor becomes more stiff and hence difficult to handle. In this connection, Stranded Construction is adopted i.e. made of strands, arranged in spiral layers in 1+6+12+18+24+formations.

In case of flexible cable, number of fine copper strands are bunched in one direction on bunching machines in circular construction to give concentric shape. In case of bigger size flexible conductor, number of such bunched conductors are stranded in rope construction to form the conductor. The construction of conductor is as per IS: 694:2010, as they must comply with IS:8130:1984 or latest which is specification for conductors for Electric Cable from Bureau of Indian Standards.

As per the international practice, which is also adopted by ISI, the size of the conductor is decided by its resistance only. The construction of the conductor mentioned in the tables only for guidance and is as per market convention, it may vary within the prescribed limits of IS:8130:1984 or latest.

Insulation :

The PVC covering over the conductor is called a "Insulation" and is provided by extrusion process only. The insulating conductor is called core in multi core cables. The insulation process is carried out of modern high speed extrusion lines with high accuracy, ensuring consistence in performance. The cores are coded for identification as per National/International practice. PVC used as insulator, which is specially formulated has good dielectric and physical properties.



The main characteristics of our PVC Compound are as follows:

- High dielectric strength.
- Permanence : Physical&Electrical properties will not deteriorate even under Severe ageing conditions.
- High Insulating Resistance Properties.
- Thermal Compatibility&High Mechanical Strength. Resistance to moisture, Oils, Chemicals, Acids, Alkalies, Greese, Abraxtion & Ozone etc.
- Fire Retarding.
- Permanent Colours.

The insulation is as per Type A of IS:5831:1984 and is suitable for 70 degree continous Operation.

We also provide Heat Resistance (H.R.), Flame Retardent low smoke (FRLS) PVC & Flame Retardent Halogen Free (FRHF) Insulation on special requirement.

Laying of Cores :

In multi core cables, the insulated conductors i.e. cores are laid up with suitable lay length to give a concentric circular shape.

Sheath :

The PVC covering over laid up cores or in case of single core is called "Sheath". As per IS:694:2010, it should be ST1 type PVC Compound which comply as IS:5831:1984. It should be suitable for 70 degree temperature operation. The sheath is applied with soft flexible PVC sheathing compound to facilitate not only easy stripping but also to ensure toughness to with stand mechanical abrasion while on use. Generally the colour of sheath is black, we can provide any colour of sheath on specific requirement.

We also provide Heat Resistance (H.R.), Flame Retardent low smoke (FRLS) PVC & Flame Retardent Halogen Free (HRHF) sheath on special requirement.

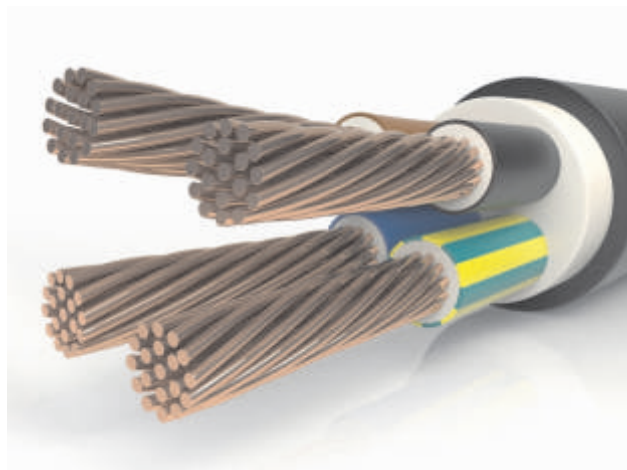


TABLE-1

**COMPOSITION & MAX RESISTANCE OF CONDUCTOR, CLASS I (SOLID)
& CLASS 2 (STRANDED) FOR SINGLE CORE & MULTICORE CABLES.
AS PER IS - 8130/1984 or LATEST**

Nominal Cross Sectional Area	MINIMUM NO OF WIRES IN THE CONDUCTOR					Max. D.C. Resistance at 20 ^o C Ohms/Km.		
	Class I Solid	Class 2(Stranded)				Copper Conductor		Aluminium Conductor
		Circular Conductor Non-Compacted		Circular Compacted or shaped		Plain wires	Tinned wires	
Sq. mm.	Cu/Al	Cu	Al	Cu	Al			
1.5	1	3	3	---	---	12.1	12.2	18.1
2.5	1	3	3	---	---	7.41	7.56	12.1
4	1	7	7	---	---	4.61	4.70	7.41
6	1	7	7	---	---	3.08	3.11	4.61
10	---	7	7	6	6	1.83	1.84	3.08
16	---	7	7	6	6	1.15	1.16	1.91
25	---	7	7	6	6	0.727	0.734	1.20
35	---	7	7	6	6	0.524	0.529	0.868
50	---	19	19	6	6	0.387	0.391	0.641
70	---	19	19	12	12	0.268	0.270	0.443
95	---	19	19	15	15	0.193	0.195	0.320
120	---	37	37	18	18	0.153	0.154	0.253
150	---	37	37	18	18	0.124	0.126	0.206
185	---	37	37	30	30	0.0991	0.100	0.164
240	---	61	61	34	34	0.0754	0.0762	0.125

TABLE-2

**PVC INSULATED, SOLID AND STRANDED ALUMINIUM/COPPER CONDUCTOR
SINGLE CORE UNSHEATHED CABLES FOR FIXED INSTALLATION WORKING VOLTAGE UPTO &
INCLUDING 1100V CONFORMING TO IS:694 : 2010**

Nominal Cross Sectional Area Sq. mm.	No. and Size of Wires (*) In mm.	Max.DC CONDUCTOR Resistance at 20°C		CURRENT RATING BUNCHED & ENCLOSED IN CONDUIT OR TRUNKING 2 CABLES, SINGLE PHASE Ac or DC in Amp.		Thickness of Insulation (Nominal) Min. # mm.	Max. Overall Diameter in mm.
		Aluminium	Copper	Aluminium	Copper		
1.0	1/1.13	----	18.10	----	11	0.70	3.20
1.5	1/1.38	18.10	12.10	12	13	0.70	3.40
1.5	3/0.80	18.10	12.10	12	13	0.80	3.40
2.5	1/1.78	12.10	7.41	17	18	0.80	4.20
2.5	3/1.04	12.10	7.41	17	18	0.80	4.20
4.0	1/2.25	7.41	4.61	23	24	0.80	4.80
4.0	7/0.85	7.41	4.61	23	24	0.80	4.80
6.0	1/2.76	4.61	3.08	29	31	0.80	5.60
6.0	7/1.04	4.61	3.08	29	31	0.80	5.60
10.0	1/3.57	3.08	----	40	42	1.00	7.00
10.0	7/1.35	3.08	1.83	40	42	1.00	7.00
16.0	7/1.70	1.91	1.15	54	57	1.00	8.20
25.0	7/2.14	1.20	0.727	69	71	1.20	10.00
35.0	7/2.52	0.868	0.524	83	91	1.20	11.50
50.0	19/1.82	0.641	0.387	105	120	1.40	13.00

(*) - Class 1 & 2 of IS:8130:84

(#) - Type A of IS:5831:84

*Above Single Core Unsheathed Cables
Can be manufactured with FRLS
PVC/FRHF Compound Insulation.



TABLE-3

PVC INSULATED SINGLE CORE UNSHEATHED WITH HIGH CONDUCTIVITY BRIGHT ANNEALED COPPER CONDUCTOR FOR WORKING VOLTAGE UPTO & INCLUDING 1.1 KV CONFORMING TO IS:694:2010.

NOMINAL AREA OF CONDUCTOR (*)	NUMBER & DIAMETER OF STRANDS	THICKNESS OF INSULATION (NOMINAL) (#)	APPROXIMATE OVERALL DIAMETER	CURRENT CARRYING CAPACITY, 2 CABLES SINGLE PHASE		MAX. DC CONDUCTOR RESISTANCE At 20°C
				IN CONDUIT/ TRUNKING	UNENCLOSED CLIPPED DIRECT TO SURFACE OR ON A CABLE TRAY	
Sq. MM.	MM.	MM.	MM.	AMP.	AMP.	OHM/KM
1.0	14/0.3	0.7	2.75	11	12	18.1
1.5	22/0.3	0.7	3.00	13	16	12.1
2.5	36/0.3	0.8	3.70	18	22	7.41
4.0	56/0.3	0.8	4.30	24	29	4.95
6.0	84/0.3	0.8	5.00	31	37	3.30

(*) - Class 2 & 5 of IS:8130:84
 (#) - Type A of IS:5831:84

*Above Single Core Unsheathed Cables Can be manufactured with FRLS PVC/FRHF Compound Insulation.

TABLE-4

SINGLE CORE/MULTICORE FLEXIBLE CABLES CONFORMING TO IS:694:2010 VOLTAGE GRADE UPTO & INCLUDING 1100 VOLTS

CONDUCTOR	AREA (Sq.mm.)	0.5	0.75	1.00	1.50	2.50	4.00	6.00	10.00	16.00	25.00	35.00	50.00
	No. & Size of Wire (mm)	16/0.2	24/0.2	32/0.2 or 14/.03	48/0.2 or 30/0.25	80/0.2 or 50/0.25	128/0.2 or 56/0.3	84/0.3	140/.3	126/0.4 or 226/0.3	196/0.4 or 354/0.3	276/0.4 or 495/0.3	396/0.4 or 707/0.3
	Max. Resistance At 20 C Ohm/Km	39.0	26.0	19.55	13.3	7.98	4.95	3.30	1.91	1.21	0.78	0.554	0.386
	Current Rating Dc 1\$ or AC 3\$	4	7	12	15	20	27	35	45	62	80	102	138
INSULATION	Thickness Nominal (mm.)	0.6	0.6	0.60	0.60	0.70	0.80	0.80	0.80	1.00	1.2	1.20	1.40
SINGLE CORE UNSHEATHED	Overall Diameter (mm.) Approximate	2.20	2.40	2.50	2.90	3.60	4.30	5.10	6.60	7.80	9.80	10.80	13.00
TWO CORE	Sheath Thickness (mm.) Nominal	0.90	0.90	0.90	0.90	1.00	1.00	<p>Note :</p> <p>i) The Conductor are conforming to IS:8130:1984</p> <p>ii) The number & size of wires given are for guidance only and are decided by its resistance only as per IS:8130:1984</p> <p>Above Single Core Unsheathed Cables can be manufactured with FRLS PVC/FRHF Compound Insulation.</p> <p>Above Multicore Cables can be manufactured with General Purpose PVC Insulation & FRLS PVC/FRHF Compound Sheath.</p> <p>Above Multicore Cables can be manufactured with FRLS PVC/FRHF Compound Insulation & Sheath.</p>					
	Overall Diameter (mm.) Approximate	6.20	6.60	6.80	7.60	9.20	10.60						
THREE CORE	Sheath Thickness (mm.) Nominal	0.90	0.90	0.90	0.90	1.00	1.00						
	Overall Diameter (mm.) Approximate	6.60	7.00	7.20	7.90	9.60	11.10						
FOUR CORE	Sheath Thickness (mm.) Nominal	0.90	0.90	0.90	1.00	1.00	1.00						
	Overall Diameter (mm.) Approximate	7.10	7.60	7.80	8.60	10.40	12.10						
FIVE CORE	Sheath Thickness (mm.) Nominal	0.90	0.90	0.90	1.00	1.00	1.00						
	Overall Diameter (mm.) Approximate	7.80	8.30	8.80	8.60	11.80	13.90						



TABLE-5

**SINGLE CORE FLEXIBLE UNSHEATHED CABLES FOR WORKING VOLTAGE
UPTO & INCLUDING 1100 VOLTS
AS PER IS:694:2010**

AREA IN SQ. MM	70.0	95.0	120.0	150.0	185.00	240.00
NO.& SIZE OF WIRES (MM.)	360/0.5	475/0.5	608/0.5	750/0.5	925/0.5	1221/0.5
CURRENT RATING (AMP.)	214	254	300	340	390	460
MAX. COND RESISTANCE At 20° C (OHM/KM)	0.272	0.206	0.161	0.129	0.106	0.0801
INSULATION THICKNESS (MM.) NOMINAL	1.80	1.90	2.10	2.10	2.50	2.50
APP. OVERALL DIAMETER (MM.)	15.60	17.50	20.00	21.00	24.00	26.50

* Above Single Core Unsheathed Cables can be manufactured with FRLS PVC/FRHF Compound Insulation.

TABLE-6
THREE & FOUR CORE HEAVY DUTY FLEXIBLE CABLES
AS PER IS:694:2010 VOLTAGE GRADE UPTO & INCLUDING 1100 VOLTS

CONDUCTOR	AREA (Sq.mm.)	6.0	10.0	16.0	25.0	35.0	50.0
	No. & Size of Wire (mm)	84/0.3	140/0.3 OR 80/0.4	226/0.3 OR 126/0.4	354/0.3 OR 196/0.4	495/0.3 OR 276/0.4	707/0.3 OR 396/0.4
	Max. Resistance At 20°C Ohm/Km	3.30	1.91	1.21	0.78	0.55	0.386
	Current Rating	31	42	57	72	91	120
INSULATION	Thickness Nominal (mm.)	0.80	0.80	1.00	1.00	1.20	1.40
THREE CORE	Thickness Nominal (mm.)	1.20	1.30	1.30	1.50	1.60	1.60
	Overall Approximate Diameter (mm.)	13.90	17.00	20.50	25.00	28.00	32.60
FOUR CORE	Thickness Nominal (mm.)	1.30	1.40	1.40	1.60	1.80	1.80
	Overall Approximate Diameter (mm)	15.40	18.30	22.50	27.50	31.00	36.00

Above Multicore Cables can be manufactured with General Purpose PVC Insulation & FRLS PVC/FRHF Compound Sheath.
 Above Multicore Cables can be manufactured with FRLS PVC/FRHF Compound Insulation & Sheath

TABLE-7
FLEXIBLE MULTICORE CABLES ROUND SHAPE
(6 Cores to 24 Cores)

No. of Cores	AREA IN SQ MM.	0.5	0.75	1.0	1.5	2.5	4.0
	NO. & SIZE OF WIRES (MM.)	16/0.2	24/0.2	32/0.2 or 14/0.3	48/0.2 or 30/0.25	80/0.2 or 50/0.25	128/0.2 or 56/3
	MAX. DC COND RESISTANCE AT 20°C (OHM/KM)	39.0	26.0	19.5	13.3	7.98	4.95
	INSULATION THICKNESS NOMINAL (MM.)	0.6	0.60	0.60	0.60	0.70	0.80
	CORE DIAMETER (MM.)	2.20	2.40	2.50	2.90	3.60	4.30
6	SHEATH THICKNESS(MM.)	0.9	1.0	1.0	1.0	1.1	1.2
	OVERALL DIAMETER(MM.)	8.50	9.20	10.10	11.90	13.00	15.30
7	SHEATH THICKNESS(MM.)	0.9	1.0	1.0	1.0	1.1	1.2
	OVERALL DIAMETER(MM.)	8.50	9.20	10.10	11.90	13.00	15.30
8	SHEATH THICKNESS(MM.)	1.0	1.0	1.0	1.0	1.2	1.3
	OVERALL DIAMETER(MM.)	9.35	10.00	10.45	11.90	14.45	16.90
10	SHEATH THICKNESS(MM.)	1.0	1.1	1.1	1.2	1.3	1.4
	OVERALL DIAMETER(MM.)	11.00	11.85	12.25	14.00	17.00	20.00
12	SHEATH THICKNESS(MM.)	1.0	1.1	1.1	1.2	1.3	1.4
	OVERALL DIAMETER(MM.)	11.20	12.20	12.65	14.50	17.60	20.70
14	SHEATH THICKNESS(MM.)	1.1	1.1	1.1	1.2	1.3	1.4
	OVERALL DIAMETER(MM.)	12.00	12.85	13.40	15.20	18.60	20.80
16	SHEATH THICKNESS(MM.)	1.1	1.2	1.2	1.2	1.4	1.5
	OVERALL DIAMETER(MM.)	12.60	13.80	14.20	16.10	19.80	23.25
19	SHEATH THICKNESS(MM.)	1.1	1.2	1.3	1.3	1.4	1.5
	OVERALL DIAMETER(MM.)	13.50	14.50	15.00	17.15	21.00	24.50
24	SHEATH THICKNESS(MM.)	1.2	1.3	1.3	1.4	1.4	1.5
	OVERALL DIAMETER(MM.)	15.60	17.00	17.60	20.40	24.50	29.00

* Above Multicore Cables can be manufactured with General Purpose PVC compound Insulation & FRLS PVC/FRHF Compound Sheath.

* Above Multicore Cables can be manufactured with FRLS PVC Compound Insulation & Sheath.

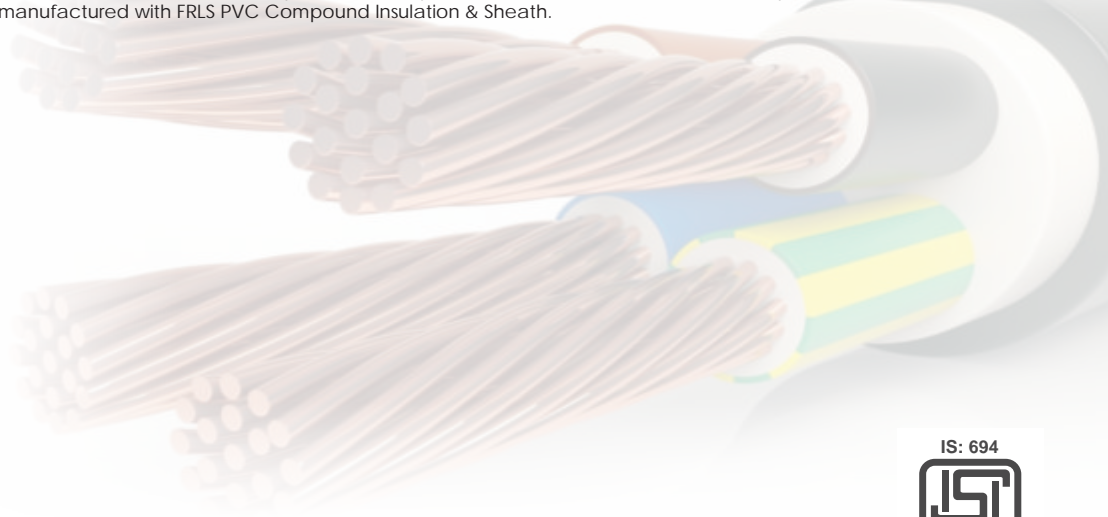


TABLE-8

**PVC INSULATED SINGLE CORE UNSHEATHED WITH ANNEALED BARE
HIGH CONDUCTIVITY ELECTROLYTIC GRADE COPPER CONDUCTOR FOR FIXED
INSTALLATION AS PER BS:2004:1961**

SIZE (in SWG)	NO. & DIA. OF STRANDS (IN INCHES)	NO. & DIA. OF STRANDS (IN MM.)	NOMINAL AREA OF CONDUCTOR (IN SQ. MM)	MAX. DC COND RESISTANCE AT 20°C (OHM/KM.)	APPROXIMATE OVERALL DIAMETRE (MM.)	CURRENT RATING (IN AMP.)
1/18	1/0.044	1/1.12	0.985	18.10	3.30	10
3/22	3/0.029	3/0.0737	1.28	14.03	3.70	12
3/20	3/0.036	3/0.914	1.97	9.10	4.20	16
7/22	7/0.029	7/0.737	2.98	6.00	4.60	20
7/20	7/0.036	7/0.914	4.60	3.89	5.30	26
7/18	7/0.044	7/1.12	6.90	2.60	6.00	31
7/16	7/0.0641	7/1.62	14.6	1.23	7.80	53
19/18	19/0.044	19/1.12	18.7	0.942	8.60	62
19/16	19/0.064	19/1.62	39.6	0.446	11.60	97
19/14	19/0.083	19/2.11	66.4	0.265	14.00	160
37/16	19/0.064	37/1.62	77.1	0.234	15.00	177
37/14	19/0.083	37/2.11	129.3	0.136	18.50	250



TABLE-9

TYPE	COLOUR	
	CORE	SHEATH
SINGLE CORE UNSHEATHED	RED, YELLOW, BLUE, BLACK, GREEN WHITE & GREY	-----
SINGLE CORE SHEATHED	BLACK, RED	BLACK
TWO CORE SHEATHED	RED & BLACK	BLACK, WHITE & GREY
THREE CORE SHEATHED	RED, BLACK & YELLOW GREEN (FOR ECC) FOR FLEXIBLE CABLE RED, YELLOW & BLUE FOR FIXED WIRING CABLES	BLACK, WHITE & GREY
FOUR CORE SHEATHED	RED, BLACK, BLUE & YELLOW GREEN (FOR ECC) FOR FLEXIBLE CABLE RED, YELLOW, BLUE & BLACK FOR FIXED WIRING CABLES	BLACK, WHITE & GREY
FIVE CORE SHEATHED	RED, YELLOW, BLUE, BLACK & GREY FOR FLEXIBLE CABLE	BLACK, WHITE & GREY
EXCEEDING FIVE CORE SHEATHED	GREY COLOUR WITH NUMBERS FOR FLEXIBLE CABLE	BLACK, WHITE & GREY



Our Brands



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