



WIRES THAT KEEP YOUR
HOME SAFE, THE WAY YOU
KEEP LOVED ONES SAFE



Flame
Retardant



Halogen and
Smoke Free



Bharosa Bhi, Bandhan Bhi
BharatBond



About Us

We manufacture and supply High-Quality Electric Wires and Cables for Residential, Industrial, Commercial, Agricultural and Event applications. , we have built a strong reputation for delivering reliable products that ensure long-lasting performance.

SAFETY WITH SMART SAVINGS

We use premium Raw Materials including Pure Annealed Copper and Aluminium Conductors along with Fire-Retardant PVC Compounds. This helps us produce safe and durable Cables at competitive prices

Every Product is tested in our modern well-equipped Laboratory. Our ongoing R&D efforts help us maintain strict Quality Standards and minimise rejection

High Conductor Purity ensures Low Resistance, reduced Power Loss and better Energy Savings over the lifetime of installation.

Our Fire-Retardant Insulation enhances Safety by protecting against Short Circuits, Overheating and Electrical Hazards.

We combine Quality, Safety and Affordability to deliver Cables you can trust.



We have developed the most economical line of Production while ensuring the best Quality.
We offer Safety and Savings to our customers.

Savings when you Buy.

Savings when you Use.

Safety Forever.

We take pride in keeping Ready Stock of a wide variety of Cables in multiple Colours to ensure Timely Delivery for all buyers, helping them plan their Usage, Production and reduce Manpower Wastage.

We also fulfil Bulk Customised Requirements.



Features



99.97%
pure copper

High conductivity of
copper (102% IACS)



100% Bunched conductor

High discoloration resistance
capacity of copper conductors



Smooth surface and hence increased easiness
to be pulled easily in pipes during installation

High ageing property of
PVC insulation



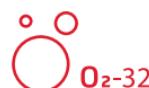
Better flexibility for
easy wiring

High Temperature Resistance



90 meters
guaranteed seal

High oxygen
index value





We have a fully equipped In-House Laboratory inside our manufacturing facility. Every batch of Wires and Cables is tested to meet the required Quality Standards before dispatch.

Our lab supports continuous Quality Checks, including:

- **Conductor Resistance Test**
- **High Voltage Test**
- **Insulation Thickness and Tensile Strength Test**
- **Ageing and Elongation Test**
- **Flammability and Fire-Retardant Test**
- **Spark Test for Insulation Defects**

This helps us maintain consistent Performance, Safety and Reliability, and ensures that only Approved Material reaches the customers.



Range available



House Wire
Cables



FRLSH
Cables



Twisted FR PVC
Insulated Industrial Cables



ZHFR
Cables



Multi-Core
Round Cables



Multi-Core
Flat Cables



Speaker
Cables

FR Cable (Flame Retardant Cable)



BharatBond FR (Flame Retardant) cable can withstand continuous heat up to 70°C

Application

The cables can be used in Domestic, Residential and Industrial Infrastructure projects.

Technical Details

- Product reference standard: IS694:2010
- Voltage Grade: Up to and including 1100V
- Size: 0.5 to 35 sq. mm in Single core
- Conductor: Thin strands of multi drawn Electrolytic Copper
- Insulation Conformity: IS 5831, Type A/D FR 70°C
- Colours: Red, Yellow, Blue, Black, Green, Grey & White
- Marking: The cables are printed with marking of 'FR'
- Packing: 90 mtrs. coil is packed in protective cartons up to size 4 sq.mm and other sizes in polycover. Project packing of 180 mtrs & 270 mtrs are also available

Technical Specifications of Single Core, FR PVC Insulated Unsheathed Cables 1100 Volts						
Nominal Cross Sectional area of conductor	Number/ Nom. Dia of cond. strands	Max Conductor Resistance per KM @ 20°C	Approximate overall Diameter	Nominal thickness of insulation	Current carrying capacity Two cables single phase	
					In conduit/ trunking	Unenclosed - clipped directly to a surface or on cable tray
Sq. mm	mm	Ohms	mm	mm	Amps	Amps
0.50	16/0.2**	39.0	2.20	0.6	3	4
0.75	24/0.2**	26.0	2.30	0.6	6	7
1.0	14/0.3*	18.10	2.70	0.7	11	12
1.5	22/0.3*	12.10	3.00	0.7	13	16
2.5	36/0.3*	7.41	3.60	0.8	18	22
4.0	56/0.3**	4.95	4.00	0.8	24	29
6.0	84/0.3**	3.30	4.60	0.8	31	37
10.0	80/0.4**	1.91	6.10	1.0	42	51
16.0	126/0.4**	1.21	7.20	1.0	57	68
25.0	196/0.4**	0.780	9.10	1.2	71	86
35.0	276/0.4**	0.554	10.30	1.2	91	110

* As per conductor class 2 of IS:8130-1984 ** As per conductor class 5 of IS:8130-1984

FR indicates Flame Retardant

FRLSH Cable (Flame Retardant Low Smoke & Low Halogen)



BharatBond FRLSH cables are made from specially formulated PVC polymers that restrict the toxic gases and smoke and therefore are safe, reliable, flame retardant and a non-toxic alternative.

Application

Cables for wiring in fire and explosion prone areas, schools, hospitals, malls, commercial complexes, theaters, airports, hotels, residential apartments, densely populated area and public buildings.

Technical Details

- Cable design reference standard: IS694:2010
- Voltage Grade: Up to and including 1100V
- Size: 0.5 to 35sq. mm in Single core
- Conductor: Thin strands of multi-drawn Electrolytic Copper
- Insulation Conformity: IS 5831, Type A/D FRLSH 70°C
- Colours: Red, Yellow, Blue, Black, Green, Grey & White
- Marking: The cables are printed with marking of 'FRLSH'
- Packing: 90 mtrs. coil is packed in protective cartons up to size 4 sq.mm and other sizes in polycover. Project packing of 180 mtrs & 270 mtrs are also available

Technical Specifications of Single Core, FRLSH PVC Insulated Unsheathed Cables 1100 Volts						
Nominal Cross Sectional area of conductor	Number/ Nom. Dia of cond. strands*	Max Conductor Resistance per KM @ 20°C	Approximate overall Diameter	Nominal thickness of insulation	Current carrying capacity Two cables single phase	
					In conduit/ trunking	Unenclosed-clipped directly to a surface or on cable tray
Sq. mm	mm	Ohms	mm	mm	Amps	Amps
0.50	16/0.2	39.0	2.20	0.6	3	4
0.75	24/0.2	26.0	2.30	0.6	6	7
1.0	32/0.2	19.50	2.50	0.6	11	12
1.5	30/0.25	13.30	2.70	0.6	13	16
2.5	48/0.25	7.98	3.40	0.7	18	22
4.0	56/0.3	4.95	4.00	0.8	24	29
6.0	84/0.3	3.30	4.60	0.8	31	37
10.0	80/0.4	1.91	6.10	1.0	42	51
16.0	126/0.4	1.21	7.20	1.0	57	68
25.0	196/0.4	0.780	9.10	1.2	71	86
35.0	276/0.4	0.554	10.30	1.2	91	110

* As per conductor class 5 of IS:8130-1984

FRLSH indicates Flame Retardant Low Smoke & Low Halogen

Twisted FR PVC Insulated Industrial Cables



BharatBond TFR (Twisted conductor Flame Retardant) cable can withstand heat upto 70°C.

Application

The cables can be used in Domestic, Residential & Industrial Infra structure projects.

Features

- No Sparks due to perfection in conductor shape and contact
- No loose strands in conductor
- No Loss of copper strands during stripping
- Easy Installation

Technical Details

- Product reference standard: IS 694
- Voltage Grade: up to and including 1100V
- Size: 1.0 to 4.0 sq. mm in Single core.
- Conductor: Highly Twisted & Compacted Thin strands Copper Conductor
- Insulation Conformity: IS 5831, Type A/D FR 70°C.
- Colours: Red, Yellow, Blue, Black & Green
- Marking: The cables are printed with marking of 'Twisted FR'
- Packing: 90 mtrs. coil is packed in protective cartons

TECHNICAL SPECIFICATIONS OF SINGLE CORE, TWISTED FR PVC INSULATED UNSHEATHED CABLES 1100 VOLTS

Conductor nominal area in sq.mm	Number & nominal Dia.of wire in No./mm	Resistance (Max) per km. @ 20°C in ohms	Approximate overall Dia. in mm	Nominal thickness of insulation in mm	Current carrying capacity Two cables, single phase		Approximate Gross weight in kgs
					In conduit/ trunking in Amps.	Unenclosed-dipped directly to a surface or on cable tray in Amps.	
1.0	37/0.18*	19.50	2.60	0.7	11	12	1.30
1.5	37/0.22*	13.30	3.00	0.7	13	16	1.70
2.5	61/0.22*	7.98	3.60	0.8	18	22	2.75
4.0	61/0.28*	4.95	4.00	0.8	24	29	4.10

* As per conductor class 5 of IS:8130. For BIS certification details see website " www.bis.org.in ". FR indicates Flame Retardant

Multi Core Round Cables



BharatBond Multicore cables are available in variant of 70°C & 85°C in FR & FRLSH categories.

Application

Flexible & Cord Cables for Residential and Commercial infrastructure projects.

Features

- Better finish and strength for heavy duty applications
- Every "meter length" is marked

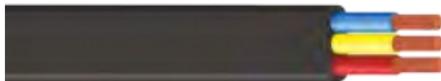
Technical Details

- Product reference standard: IS694:2010
- Voltage Grade: Up to and including 1100V
- Size: 2, 3 & 4 cores available in sizes from 0.5 to 16 sq.mm
- Conductor: Electrolytic grade annealed copper class 5 as per IS 8130
- Insulation: PVC with 70°C & 85°C rating
- Sheath: ST1/ST3 grade with FR & FRLSH property
- Sheath Colour: Black, Ivory, White & Grey
- Packing: Standard packing of 100 mtr. in coils. Longer length available on request

Technical Specification of Multicore Round PVC Insulated and PVC Sheathed Flexible Cables, 1100 Volts													
"Nominal Cross Sectional area of conductor"	"Number/ Nom. Dia. of cond. strands***"	Max Conductor Resistance per KM @ 20°C	Nominal thickness of insulation	Nominal thickness of Sheath		Approximate overall Diameter			70°C PVC insulated and ST3 sheathed cables		85°C HR PVC insulated and ST2 sheathed cables		
				2 Core	3 Core	4 Core	2 Core	3 Core	4 Core	2 Core & 3 Core Cables for Single Phase AC/ DC	3 Core & 4 Core Cables for Three Phase AC	2 Core & 3 Core Cables for Single Phase AC/ DC	3 Core & 4 Core Cables for Three Phase AC
Sq. mm	mm	Ohms	mm	mm	mm	mm	mm	mm	mm	Amps	Amps	Amps	Amps
0.50	16/0.2	39.0	0.6	0.9	0.9	0.9	6.2	6.5	7.0	4	4	5	5
0.75	24/0.2	26.0	0.6	0.9	0.9	0.9	6.5	6.9	7.5	7	7	8	8
1.0	32/0.2	19.5	0.6	0.9	0.9	0.9	6.9	7.4	8.0	12	10	14	12
1.5	30/0.25	13.3	0.6	0.9	0.9	1.0	7.5	8.0	8.7	16	14	19	17
2.5	48/0.25	7.98	0.7	1.0	1.0	1.0	8.9	9.4	10.3	20	18	24	22
4.0	56/0.3	4.95	0.8	1.0	1.0	1.0	10.1	10.8	11.9	27	24	32	29
6.0	84/0.3	3.30	0.8	1.1	1.2	1.2	11.5	12.4	13.6	34	30	41	36
10.0	80/0.4	1.91	1.0	1.3	1.4	1.4	14.7	15.8	17.5	44	39	53	47
16.0	126/0.4	1.21	1.0	1.4	1.4	1.4	17.0	18.1	20.0	61	55	73	66

** As per conductor class 5 of IS:8130-1984

3 Core Flat Submersible Cables



BharatBond Three core flat cables are ideally suited for heavy duty applications mainly in submersible pumps

Application

Flat cables for Submersible Pumps & Motors

Features

- Better finish and strength for heavy duty applications
- Non hygroscopic: Protection against ingress of water
- High abrasion resistant

Technical Details

- Cable design reference standard: IS694:2010
- Voltage grade: Up to and including 1100V
- Size: 1 to 10 sq. mm in three cores
- Conductor: Electrolytic grade annealed copper class 5 as per IS 8130
- Insulation Conformity: IS 5831, Type A grade.
- Sheath Conformity: IS 5831, ST1 grade.
- Sheath Colour: Black
- Packing: Standard packing of 500 mtr (coils & drum)
Longer length also available on request

Nominal Cross Sectional area of conductor	Number/Nom. Dia of cond. strands**	Max Conductor Resistance per KM @ 20°C	Nominal thickness of insulation	Nominal thickness of Sheath	Approximate overall Diameter		Current carrying capacity at 40°C
					Width	Height	
Sq. mm	mm	Ohms	mm	mm	mm	mm	Amps
1.0	32/0.2	19.5	0.6	0.9	9.4	4.4	12
1.5	30/0.25	13.3	0.6	0.9	10.3	4.7	16
2.5	48/0.25	7.98	0.7	1.0	12.3	5.5	22
4.0	56/0.3	4.95	0.8	1.0	14.1	6.2	29
6.0	84/0.3	3.30	0.8	1.1	16.2	7.0	37
10.0	80/0.4	1.91	1.0	1.4	20.9	8.9	51

** As per conductor class 5 of IS:8130-1984



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