BUILDING WIRE

Heat Resistant Flame Retardant (HRFR)

Flame Resistant Low Smoke (FRLS-H)

Zero Halogen Flame Retardant (ZHFR)

www.bontoncablesindia.com

BONTON®
CABLES

INDIA'S MOST CERTIFIED CABLE COMPANY

CE UL TÜV RoHS GC-MARK Sedex SMETA

INDIA'S MOST CERTIFIED CABLE COMPANY

CERTIFICATIONS		CERTIFICATION BODIES
1.	IATF I6949 : 2016 (ISO/TS 16949)	UL DQS
2.	ISO 9001 : 2015	UL DQS
3.	IQNET ISO 9001 : 2015	UL DQS
4.	SEDEX	UL DQS
5.	GC Mark - Trusted Product	UL DQS
6.	Ethical Conformity	UL DQS
7.	Smeta Confirmation	UL DQS
8.	ISO 14001 : 2015	TUV SUD South Asia Pvt. Ltd.
9.	ISO 27001 : 2013	TUV SUD South Asia Pvt. Ltd.
10.	ISO 45001 : 2018	TUV SUD South Asia Pvt. Ltd.
11.	ISO 50001 : 2011	TUV SUD South Asia Pvt. Ltd.
12.	RoHS 2.0	QCAS
13.	Reach Compliances	US CERT
14.	CE Mark	UK CERT
15.	Solar Cable Certification	TUV India Pvt. Ltd.
16.	ISO/IEC 17025:2017	NABL- Quality council of India

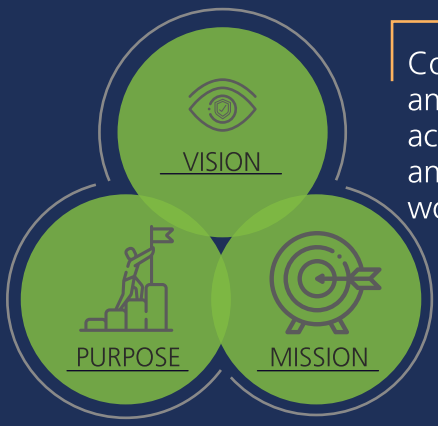
About us

Bonton keeps you safe

Bonton has a distinguished history in wires and cable industry. The company is a pioneer in manufacturing eco-friendly and specialised cables which are accoladed for weather resistant, distortion free signalling and special bending radius that can perform at temperatures ranging from -50°C to 950°C.

Vision

To be the most preferred brand in the cable and wire industry and to gain trust of consumers for safety, reliability, and incomparable high-performance team.



Mission

Continuously improve its product and process control systems, by acquiring the most stringent product and process certifications to produce world-class products.

Purpose

Manufacture cables that are beyond market benchmarks in terms of technical specifications while ensuring a deeply humane conduct towards all its stakeholders through a thre

Adopting an enhanced accountability towards the environment by ensuring the lowest emissions from its plants, minimising, and managing wastage from its processes.

Providing a safe and healthy work environment to all its employees and helping them grow as individuals and professionals.

Engaging in and promoting corporate social responsibility practices and exceeding compliance for social accountability.

HOUSE PROTECTION SERIES

House and office are one of the most prized possessions as they provide security to loved ones. Bonton Cables offers numerous house wiring solutions to its customers that provide total protection from overloading and short circuits.

Heat Resistant Flame Retardant (HRFR)

Single core PVC insulated copper conductor (unsheathed) cables 1100 voltage grade conforming to IS: 694:2010

Our specialized HRFR PVC can operate continuously at high temperature which is significantly higher than normal PVC. the higher current carrying capacity enhances the service life of cables ensuring protection from short circuit and overloads.

Basic Code	Nominal Cross Sectional area of conductor	Number/ Nom. Dia of cond. strands*	Thickness of Insulation (Nom)	Approx. Overall Diameter	Current Carrying Capacity 2 Cables Single Phase	
90 mtr					Conduit/ Trunking	Unenclosed clipped directly to a surface
Part No.	sq mm	mm	mm	Ohms	Amps	Amps
110266 NF	0.75	**24/0.2	0.60	10	8	10
110267 NF	1.0	**32/0.2	0.60	14	13	14
110267 NP	1.0	*14/0.3	0.70	14	13	14
110268 NF	1.5	**30/0.26	0.60	19	16	19
110268 NP	1.5	*22/0.3	0.70	19	16	19
110269 NF	2.5	**50/0.26	0.70	26	22	26
110269 NP	2.5	*36/0.3	0.80	26	22	26
110270 NF	4.0	**56/0.3	0.80	35	29	35
110271 NF	6.0	**84/0.3	0.80	44	37	44

* Conductor as per class 2 of IS: 8130 ** Conductor as per class 5 of IS: 8130

Flame Resistant Low Smoke (FRLS-H)

Single core PVC insulated copper conductor (unsheathed) cables 1100 voltage grade conforming to IS: 694:2010

The flame retardant reduces flame propagation. Release of halogen gas during burning is 20% less and visibility is 40% more than that of normal PVC insulation.

Basic Code	Nominal Cross Sectional area of conductor	Number/ Nom. Dia of cond. strands*	Thickness of Insulation (Nom)	Approx. Overall Diameter	Current Carrying Capacity 2 Cables Single Phase	
90 mtr					Conduit/ Trunking	Unenclosed clipped directly to a surface
Part No.	sq mm	mm	mm	Ohms	Amps	Amps
110266 NP	0.75	24/0.2	0.60	26.00	8	10
110267 NF	1.0	32/0.2	0.60	19.50	13	14
110268 NF	1.5	30/0.26	0.60	13.30	16	19
110269 NF	2.5	50/0.26	0.70	7.98	22	26
110270 NF	4.0	56/0.3	0.80	4.95	29	35
110271 NF	6.0	84/0.3	0.80	3.30	37	44

Class 5 conductor

Single core PVC insulated copper conductor (unsheathed) flexible cables 1100 voltage grade to IS: 694:2010 for industrial application

Basic Code	Nominal Cross Sectional area of conductor	Number/ Nom. Dia of cond. strands*	Thickness of Insulation (Nom)	Approx. Overall Diameter	Current Carrying Capacity 2 Cables Single Phase	Max. Conductor Resistance per KM at 20°C
					Unenclosed clipped directly to a surface or on cable trays	
Part No.	sq mm	mm	mm	mm	Amps	Ohms
110265 H	0.5	16/0.2	0.6	2.2	6	39.00
110266 H	0.75	24/0.2	0.7	2.5	10	26.00
110267 H	1.0	32/0.2	0.7	2.8	14	19.50
110268 H	1.5	30/0.25	0.7	3.1	19	13.30
110269 H	2.5	50/0.25	0.8	3.8	26	7.98

HALOGEN FREE LOW SMOKE CABLES

With the increased demand for safety in public areas and buildings, contractors are now being advised to install materials that are non-hazardous to members of the public in case of fire.

ZHFR IS : 17048

Single core insulated copper conductor (unsheathed) heavy duty cables 1100 voltage grade conforming to ISI 17048

Release of HCI gas is less than 0.5% than 20% of PVC and visibility is 90% more in case of fire. These cables are highly recommended for places with high public gathering.

Basic Code	Nominal Cross Sectional area of conductor	Number/ Nom. Dia of cond. strands*	Thickness of Insulation (Nom)	Approx. Overall Diameter	Current Carrying Capacity 2 Cables Single Phase	
90 mtr					Conduit/ Trunking	Unenclosed clipped directly to a surface
Part No.	sq mm	mm	mm	Ohms	Amps	Amps
110266 NZ	0.75	24/0.2	0.60	26.00	9	11
110267 NZ	1.0	32/0.2	0.60	19.50	14	16
110268 NZ	1.5	30/0.26	0.60	13.30	18	21
110269 NZ	2.5	50/0.26	0.70	7.98	24	27
110270 NZ	4.0	56/0.3	0.80	4.95	32	37
110271 NZ	6.0	84/0.3	0.80	3.30	40	47

Technical comparison between HRFR, FRLS-H and ZHFR cables

S.No.	Feature	Standard Range HRFR	Special Range FRLS-H	Special Range ZHFR
1	Insulation Material	Spl. PVC	Spl. PVC	Spl. Insulation
2	Insulation Property	Good	Good	Very Good
3	Thermal Stability	Good	Good	Very Good
4	Flame Retardancy	Very Good	Very Good	Excellent
5	Safety during Burning	Good	Good	Excellent
6	Requirement of critical oxygen index as per ASTMD-2863 to catch fire (%)	>29	>29	>35
7	Temperature Index	>250°C	>250°C	>280°
8	Light Transmission (Visibility) during Cable as per ASTMD-2843 Burning (%)	NA ---	>40 Good	>90 Excellent
9	Release of Halogen Gas During Burning (%)	NA ---	<20 Good	<0.5 Excellent
10	Abrasion Resistance During Installation	Good	Good	Good

ZHFR FIRE CARE THERMOSETTING

Thermosetting insulation is durable and does not soften during heat, ideal for high temperature application.

Construction

Manufacturing Standard	BS 7211/BS EN 550525-3-41 /IS : 17048
Conductors	Standard Plain annealed copper wire (class 2) to BS EN 60228
Insulation	An extruded layers of cross linked Zero Halogen Low Smoke Compound

Physical Characteristics

Voltage Rating (Uo / U)	450 / 750V Note : When Installed in a earthed Material encloser, Cables are suitable for voltage upto 1000 V a.c,or upto 750V to earth d.c.
Max. Conductor Temp	90°C Note : Where a conductor operates at a temperature 70°C, it shall be ascertained that the equipment connected to the Conductor is suitable for the conductor operating Temperature (see regulation 512-1-5 of BS 7671,the 17 edition of IEE wiring Regulations)
Minimum Bending Radius	6x overall diameter of Cable

Performance Characteristics

Smoke Emission	BS EN 61034
Acid Gas Emission	BS EN 50267-2-1
Flame Propagation	BS EN 60332-2-1

Single Core Insulated Copper Conductor (Unsheathed)
Heavy Duty Cable 1100 Voltage Grade Conforming to BS 7211/BS EN 550525-3-41/IS : 17048

Nominal Area of Conductor	Insulation Thickness	Approx Overall diameter	Approx weight of cable	Minimum conductor Resistance @ 20°C
mm	mm	mm	kg / km	00/ km
1.5	0.7	3	25	12.10
2.5	0.8	3.7	35	7.41
4	0.8	4.2	50	4.61
6	0.8	4.8	70	3.08
10	1.0	6.3	120	1.83
16	1.0	6.9	170	1.15
25	1.2	8.5	260	0.727
35	1.2	9.5	350	0.524
50	1.4	11.2	475	0.387
70	1.4	12.8	670	0.268
95	1.6	15.2	940	0.193
120	1.6	16.5	1160	0.153
150	1.8	18.4	1435	0.124
185	2.0	21.6	1800	0.0991
240	2.2	23.3	2350	0.0754
300	2.4	26	2960	0.0601
400	2.6	31.5	3930	0.0470
500	2.8	35.4	5030	0.0366
630	2.8	37.2	6160	0.0283

Enclosed In Conduit

Two Cables, Single Phase a.c. current rating	Two Cables, Single Phase a.c. Volt Drop per amp per metre	Three or Four Cables, Three Phase a.c. Gurrent Rating	Three or Four Cables, Three Phase a.c. Volt Drop per Amp per Meter
amp	mV/A/m	amp	mV/A/m
22	31	19	27
30	19	26	16
40	12	35	10
51	7.9	45	6.8
71	4.7	63	4.0
95	2.9	85	2.5
126	1.90	111	1.65
156	1.35	138	1.15
189	1.05	168	0.90
240	0.75	214	0.65
290	0.58	259	0.50
336	0.48	299	0.42
375	0.43	328	0.37
426	0.37	370	0.32
500	0.33	433	0.29
573	0.31	493	0.27
683	0.29	584	0.25
783	0.28	666	0.24
900	0.27	764	0.23

Release of HCl gas is less than 0.5 % than 20% of PVC and visibility is 90% more in case of fire. These cables are highly recommended for places with high public gathering. The cross linked molecular structure makes the cables withstand upto 200°C I.E. a very high melting point thus these cables have higher tensile strength.

FIRE SURVIVAL
FIRE CARE

Bonton Fire Care Survival Cable is one of the best ways to help improve yours and your family's safety before the impact of, or during fire. It can help stop you from making rush and dangerous decisions at the last moment.

A fire resistant HFLS conduit wire

Voltage Rating	600/1000 volts
Description	FIRE CARE Single core is designed to be installed in metal conduit. For use in alarm and emergency lighting circuits for new installations or upgrading existing conduit systems to fire performance standards. Elastomeric insulation gives high mechanical strength, excellent flexibility and resistance to abrasion.
Construction	Stranded plain annealed copper conductors. Mica/glass fire barrier tape. Elastomeric HFLS outer sheath.
Operating Temperature	-10°C to +90°C
Minimum Bending Radius	6 x overall diameter
Core Identification	Bn, Blk, Gy, Be, Rd, Oe, Yw & Gn/Yw. Other colours available on request.
Lengths	180/200 mtrs. Special lengths available on request.
Sheath Colour	NA
Manufacturing Standard	BS 7211 (Generally to, fire resistant) /BS EN 550525-3-41
Fire Tests	BS 6387 C, W, Z and IEC 60331-21 when tested in a steel conduit at a temperature of 950°C and an increased voltage of 600/1000 volts.
Emissions and Flame Propagation	BS EN 50267 (IEC 60754)Acid Gas Emission BS EN 50268 (IEC 61034)Smoke Emission BS EN 50265, 50266 (IEC 60332) Flame Propagation
Special Notes	Methods of cable support should withstand a similar temperature and duration to that of the cable.

FIRE CARE CABLE (ZHFR)

Technical comparison between PVC, Thermoplastic and Thermosetting Fire Care.

Characteristic	PVC	Thermoplastic	Thermosetting Fire Care	How It Affects The Product
High Temperature Mechanical Performance	Poor to Good	Excellent	Excellent	Increases survivability during emergencies or normal usage at high temperature
Coefficient of Friction	Very Low to moderate	Moderateto Very high	Very High	Affects pulling tension wire processing and tactile feel
Elongation	Poor to Good	Good	Excellent	Measure of stretch before braking, encountered during installation, processing and Fixing
Tensile Strength	Poor to excellent	Good	Excellent	Wide range in both material types impacts durability and stripability
Color Ability	Good to excellent	Good	Excellent	Affects identification especially in low-light conditions
Heat Deformation	Poor to Good	Good	Excellent	Becomes very soft as it nears its melting point
Cold Temperature Compatibility	Poor to excellent	Excellent	Excellent	Affects storage, handing, installation and usage in cold environments, including air shipment.

Bonton Fire Care Cables resist ignition

Extending the time before cables start to burn in a fire, providing more time to escape. Improve safety and human survival benefit in a fire.

Bonton Fire Care Cables reduce fire propagation

By being slow to burn, reducing the immediate threat and extending escape time. Allow people to see and breathe safely for longer.

Bonton Fire Care Cables reduce smoke to a minimum

Reducing disorientation, confusion and panic, with little smoke, people can see the exit routes clearly and have more time to follow them to safety. Emergency services have more time to operate effectively. Increase time for people to escape.

Bonton Fire Care cables do not contain halogens

Hydriodic acid is not formed during fire. There is no threat of inhalation of this highly irritant chemicals and no damage to sensitive or costly equipments. Reduce fire damage of buildings and electric equipment.

- Improve safety and human survival benefit in a fire
- Allow people to see & breathe safely for longer
- Increase time for people to escape
- Improve visibility and safety for emergency service
- Reduce fire damage of building and electric equipments, designed to improve public & environment safety

Specially conducted Fire Test have confirmed the performance advantage of Bonton Fire Care Wires

Fire Test after Six Minutes

PVC Cables
Exit and escape lights obscured by dense smoke, hindering escape

BONTON Fire Care Cables
Exit and escape lights allowing safer evacuation

FLEXIBLE CABLE

Besides being fire retardant, our heat resistant (105°C) wires have properties to withstand the excess heat generated in the wire due to overload.

Heat Resistant Flame Retardant Grade (HRFR)

An efficient solution for industrial electrical systems designers, Bonton Flexible Cables use the best E.C. Grade copper procured from primary copper manufacturers to ensure low conductor resistance. In addition, HRFR insulation provides increased current carrying capacity & thus cost effectiveness.

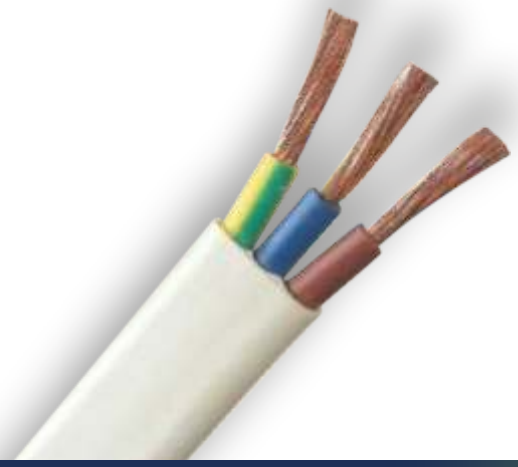
Basic Code	Nominal Cross Sectional area of conductor	Number/ Nom. Dia of cond. strands*	Thickness of Insulation (Nom)	Approx. Overall Diameter	Current Carrying Capacity 2 Cables Single Phase	Max. Conductor Resistance per KM at 20°C
					Unenclosed clipped directly to a surface or on cable trays	
Part No.	sq mm	mm	mm	mm	Amps	Ohms
110265 H	0.5	16/0.2	0.6	2.2	6	39.00
110266 H	0.75	24/0.2	0.7	2.5	10	26.00
110267 H	1.0	32/0.2	0.7	2.8	14	19.50
110268 H	1.5	30/0.25	0.7	3.1	19	13.30
110269 H	2.5	50/0.25	0.8	3.8	26	7.98
110270 H	4.0	56/0.3	0.8	4.4	35	4.95
110271 H	6.0	84/0.3	0.8	5.0	44	3.30
110272 H	10	80/0.4	1.0	6.6	61	1.91
110273 H	16	126/0.4	1.0	7.8	82	1.21
110274 H	25	196/0.4	1.2	9.7	103	0.780
110275 H	35	276/0.4	1.2	10.9	132	0.554
110276 H	50	396/0.4	1.4	13.2	174	0.386
110277 H	70	360/0.5	1.8	16.15	256	0.272
110278 H	95	475/0.5	1.9	18.75	304	0.206
110279 H	120	608/0.5	2.10	21.25	359	0.161
110280 H	150	750/0.5	2.10	22.25	406	0.129
110281 H	185	925/0.5	2.50	25.50	466	0.106
110282 H	240	1221/0.5	2.50	28.50	550	0.0801

Multicore round PVC insulated copper conductor and PVC sheathed Flexible Cables 1100 Voltage Grade to IS: 694:2010

Basic Code	Nominal Cross Sectional area of conductor	Number /Nom. Dia of cond. strands*	Thickness of Insulation (Nom)	Nominal Thickness of Sheet			Appx. Overall Diameter			Current Rating AC	Voltage Drop /Amp/Meter		Max. Conductor Resistance per KM at 20° C
				Two Core	Three Core	Four Core	Two Core	Three Core	Four Core		DC or Single Phase AC	3 Phase AC	
Part No.	sq mm	mm	mm	mm	mm	mm	mm	mm	mm	Amps	mV	mV	Ohms
110308 2C	0.5	16/0.20	0.6	0.9	0.9	0.9	6.2	6.6	7.2	5	83	72	39.0
110309 2C	0.75	24/0.20	0.6	0.9	0.9	0.9	6.5	6.9	7.6	8	56	48	26.0
110310 2C	1.0	32/0.20	0.6	0.9	0.9	0.9	6.9	7.3	8.2	13	43	37	19.5
110311 2C	1.5	30/0.25	0.6	0.9	0.9	1.0	7.6	8.2	9.3	18	31	26	13.3
110312 2C	2.5	50/0.25	0.7	1.0	1.0	1.0	9.0	9.6	10.5	24	18	16	7.98
110313 2C	4.0	56/0.30	0.8	1.0	1.0	1.0	10.3	10.9	12.3	31	11	9.6	4.95

*Note : The number and diameter of conductor strands are for reference only.
Conductor resistance as per IS : 8130 is the governing criteria.

3 CORE FLAT CABLE



Bonton connecting cables are just as important as trouble-free winding wires are for the submersible pump motors. Bonton 3 Core Flat Cables are manufactured keeping in mind the superior connectivity to perform in difficult conditions. The individual conductors are made from bright electrolytic pure copper. The wires are drawn, annealed and bunched properly to ensure flexibility and uniform resistance.

Technical Data

3 Core Flat Cables as per IS: 694:2010 with ISI mark

Copper conductor PVC insulation of cores (red, yellow, blue) PVC sheath (black)

3 Core Flat Cables generally conforming to IS: 694: 2010

Conductor		Insulation	Sheath	Overall Dimensions		Conductor Resistance	Current carrying
Area Sq.mm	No/Dia of Strands	Thickness (Nom) mm	Thickness (Nom) mm	Width (approx) "W" mm	Height (approx) "H" mm	@20°C (max) ohma/km.	capacity @40°C Ampa
1.5	22/0.30*	0.6	0.9	10.30	4.9	12.10	14
2.5	36/0.30*	0.7	1.0	12.60	5.8	7.41	18
4.0	56/0.30*	0.8	1.0	14.80	6.6	4.95	26

Conductor		Insulation	Sheath	Overall Dimensions		Conductor Resistance
Area Sq.mm	No/Dia of Strands	Thickness (Nom) mm	Thickness (Nom) mm	Width (approx) "W" mm	Height (approx) "H" mm	@20°C (max) ohma/km.
6.0	84/0.30	0.8	1.15	16.50	7.40	3.30
10.0	140/0.30	1.0	1.40	21.00	9.25	1.91
16.0	226/0.30	1.0	1.40	24.50	10.70	1.21
25.0	354/0.30	1.2	2.00	30.60	13.50	0.780
35.0	495/0.30	1.2	2.00	34.40	14.70	0.554
50.00	703/0.30	1.4	2.20	41.20	17.20	0.386
70.0	360/0.50	1.4	2.20	46.60	19.00	0.272
95.0	475/0.50	1.6	2.40	53.00	21.40	0.206

PVC insulated three core round double sheathed cables for submersible pumps

Double sheathed round 3 Core Cables are popularly used in overseas markets as an alternative to 3 Core Flat Cables. The double sheath not only offers better mechanical protection from abrasion, but also prevents ingress of water along the interstices of the cable. Bright annealed flexible copper conductors used in these cables are insulated and sheathed with special grades of in-house formulated and manufactured PVC compounds.

Size (mm^2)	Conductor construction No./ Nom. Dia. (No/mm)	Max. Conductor Resistance at 20°C (ohm/km)	Insulation Thickness (Nom.)(mm)	Total Thickness of Double sheath (Nom) (mm)	Overall Diameter (Approx) (mm)
1.5	30/0.25	13.3	0.6	1.6	9.9
2.5	50/0.025	7.98	0.7	1.6	11.5
4	56/0.3	4.95	0.8	1.6	13.5
6	84/0.3	3.30	0.8	1.8	15.0
10	140/0.3	1.91	1.0	20.0	18.6
16	226/0.3	1.21	1.0	2.2	21.8
25	354/0.3	0.780	1.2	2.4	25.9
35	495/0.3	0.554	1.2	2.6	28.8
50	703.0.3	0.386	1.4	2.6	33.6
70	360/0.5	0.272	1.4	2.8	38.4
95	475/0.5	0.206	1.6	2.8	42.6

Selection guide for 3 core flat cables

- HP Vs Current : The full load current for submersible pump motors, 3 phase 50 cycles, 415-425 V.
- Factors : Multiply the current carrying capacity of the cable by factors given below for various ambient temperatures.

HP	5.0	7.5	10.0	12.5	15.5	17.5	20.2	25.0	30.0	35.0	40.0	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0
AP	7.5	1.0	14.9	18.9	22.5	25.2	28.4	35.6	42.3	50.4	58.1	62.1	67.5	73.8	81.0	87.3	93.6	100.8	108.0

Ambiant temperature	30	35	40	45	50
Rating Factor	109	104	100	95	77

SPECIALITY CABLES

Bonton PVC insulated telephone cables for indoor application confirming to TEC specification G /WIR06 /02.

Application

Cables used for Indoor Telephone, Telephone Exchange, Satellite Telecommunication Systems, Industrial Plant Communication Systems, EPBAX Systems, Closed Circuit Security Systems, In-house Telephone Wiring and various other equipments involving telephone.

Standard

Cables are generally made as per TEC Specification No. G/WIR-06/02 or as per customer specification.

Construction

Solid annealed tinned/bare copper conductor, PVC insulated cores suitably colour coded for distinct identification, twisted to form pairs, laid up, PVC sheathed. Armoured Cables are provided with galvanised steel wire/strip armouring and then sheathed again with PVC.

Salient Features For Telephone Cable

- Hard grade PVC insulation is used for long life and stable properties of cables.
- Staggered lays of twisted pairs are used to ensure minimum cross talk.
- Sizing and processing of conductor and insulated cores is done in precisely controlled manner on automatic modem machines to have optimum values of capacitance, capacitance unbalance, image and cross talk attenuation and characteristic impendence.

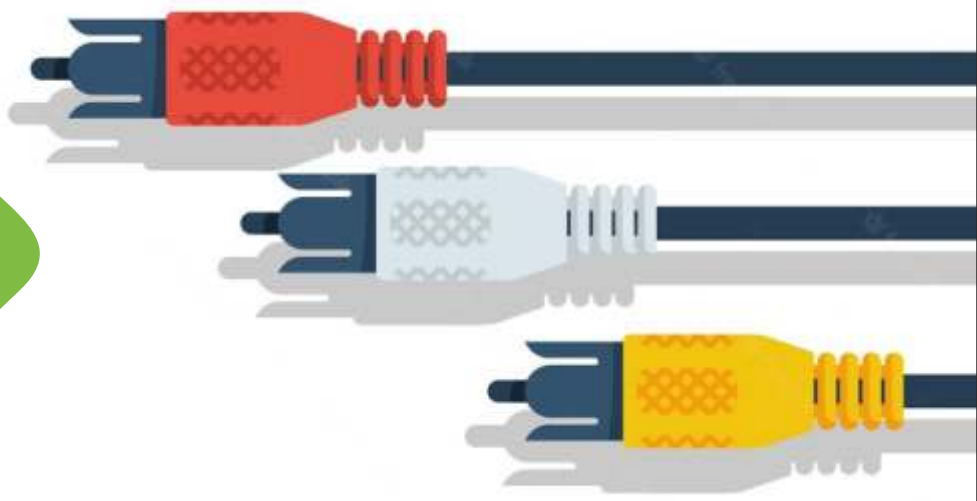
Design / Material Options

Conductor copper	:	Tinned copper / Bare
Insulation	:	PVC / HRPVC / Polythelene
Shielding	:	Over all shielded / Individual pair shielded and over all shielded with polyester backed aluminium tape or fine copper wire braid.
Sheathing	:	PVC/HRPVC/FRPVC /FRLSPVC / Polythelene/LSZH
Conductor size Cable	:	0.4 / 0.5 / 0.6 mm
Configuration	:	1p, 2p, 3p, 4p, 5p, 10p, 20p, 50p, 100p

Buyers

BSNL., C.DOT, Switching equipment manufactures, contractors of BSNL and C.DOT, every industrial and commercial establishment, construction industry and many more beside the general dealer market.

CO-AXIAL TV CABLES



Application: Used in Cable TV Operation, Computer Networking etc. Construction: Solid annealed bare copper conductor polyethylene insulated shielded with polyester backed aluminium tape and additional shielded with fine aluminium braid, jelly flooded, protected with polyester tape wrapping and shelted with PVC

Technical Data

S.No.	Type	Description
1	Size	RG-59, RG-6, RG-11
2	Inner Conductor	Solid Copper
3	Insulation	Gas Injected Physical Foamed Polyethylene
4	Flooding Compound	Jelly
5	Outer Conductor	Bonded Polyaluminium Tape, Braided with Aluminium Alloy Wire
6	Outer Jacket	UV Resistant Black PVC Jacket
7	Making	Progressive Sequential Length Marking on Every Meter

Electrical Parameters

S.No.	Type	RG-11	RG-6	RG-59
1	Inner Conductor-			
	Max. Resistance (Phm/km) @ 20°C	0.8A4	2.13	3.55
2	Inner Conductor-			
	Loop Resistance (Phm/km) @ 20°C	1.66	2.78	4.64
3	Nom. Capacitance (Pf/mttr.)	53	53	53
4	Nom Impedance (Phm)	75	75	75
5	Nom Velocity Ratio (%)	85	85	85
6	Nom. Attenuation @ 25°C (DB/100m(			
	@55Mhz	2.82	1.95	6.73
	@83Mhz	3.87	6.20	8.04
	@187Mhz	5.74	9.15	11.81
	@211Mhz	6.23	9.50	12.47
	@250Mhz	6.72	10.50	13.45
	@300Mhz	7.38	11.50	14.60
	@350Mhz	7.94	12.45	15.71
	@400Mhz	8.53	13.30	16.73
	@450Mhz	9.02	14.35	17.72
	@500Mhz	9.51	14.95	18.70
	@550Mhz	9.92	15.70	19.52
7	Structural Return Loss (db/100m)			
	From 30 to 300 Mhz	>26	>28	>30
	From 300 to 550 Mhz	>24	>22	>24
	Bending Radius, min (mm)	75	65	65

Electrical Parameters

S.No.	Type	RG-11	RG-6	RG-59
1	Inner Conductor-	Solid Bare Copper	Solid Bare Copper	Solid Bare Copper
2	Nom. Diameter (mm)	1.63	1.02	0.80
3	Dielectric	Foam PE	Foam PE	Foam PE
4	Nom. Diameter (mm)	7.11	4.57	3.55
5	Outer Conductor - First	Bonded AL Tape	Bonded AL Tape	Bonded AL Tape
6	Outer Conductor - Second	AL Braid	AL Braid	AL Braid
7	Nom. Coverage (%)	60	60	60
8	Jacket	PVC (Black)	PVC (Black)	PVC (Black)
9	Nom. Diameter (mm)	10.00	7.00	6.20

Clients

METRO PROJECTS

CONSTRUCTION SECTOR

GOVERNMENT SECTOR

HOSPITALITY SECTOR

TELECOM SECTOR

CORPORATE OFFICES

CONTRACTORS

WAREHOUSE & DATA CENTRE

BMS SECTOR

AUTOMOTIVE SECTOR

BONTON® CABLES

Branch Offices

Northern Region

Chandigarh : Plot No. 1-A, 35 Feet Road, New Patanjali, Opp. Ajanta Pharma, VIII. Pabhat, Zirakpur -140603
Tel.: 0176 - 2503906, +91 88720 64720

Ludhiana : BXX-3369, Sandhu Tower-2, 2nd Floor, Ferozpur Road, Gurudev Nagar, Ludhiana (Punjab)-141 001

Jaipur: 327-A, 3rd Floor Ganpati Plaza M.I. Road, Jaipur, Rajasthan - 302001
Tel.: 0141 - 4018060, +91 98292 04080

Lucknow: 210, 2nd Floor, Saran Chamber-II, 5, Park Road, Lucknow (U.P) - 226001
Tel.: 0522 - 4103417, +91 73793 33388

Haridwar: Akashdeep Enclave Phase 2 , Near Delhi Flat Delhi Road Roorkee District Haridwar - 247667, Mob.: 8191004004

Central Region

Indore: A-52, New Siyaganj, Patthar godown road, Indore, M.P. - 452003
Tel.: +91 98270 11260

Central Western Region

Mumbai: We Work, 5th Floor, Spectrum Tower, Mindspace, Chincholi Bunder Road, Malad (West), Mumbai- 400064
Mob: +91 9649352700

Goa: Guirim, Sorvem Waddo, Bardez, Goa - 403507

Southern Region

Bangalore: RR Nagar, Bangalore- 560098
Mob: +91 8026722905

Kochi: 44/533, St Martin road, Palarivattom, Kochi, Kerala -682025
Tel.: 484 - 4058309, +91 97455 44303

Secunderabad: Plot No: 18-B, Banjara Nagar Colony, Tirumalagiri Telangana, Secunderabad - 500015
Tel.: 040 - 40267506

Chennai: Plot No-5, Harinery Sree Srinivasa Avenue, Kanchi Nagar Extn. Vinayagapuram, Kolathur, Chennai - 600099, Tamilnadu
Tel: +91 99440 10660

Pune: 13/1/124, Parmar Niwas, Near Dake Chowk, Behind Kulkarni Building Sukhsagar Nagar, Katraj Pune, 411046 Maharashtra

Eastern Region

Kolkata: Room No. F-8, 1st Floor, Tirreti Bazaar, 22, Rabindra Sarai, Kolkatta - 700012
Tel.: +91 97485 40227

Bonton Cables (India) Pvt. Ltd.
Head Office: Epitome Building No. - 5, 18 Floor, Tower-B, DLF Cyber City, Gurugram - 122002 (Haryana) Tel.: +91 81302 99001, +91 81302 99003

Works:

Plant 1: A-115 RIICO Industrial Area, Phase-1, Bhiwadi — 301019 Dist. Alwar, Rajasthan (INDIA)

Plant 2: A-6A Kaharani Industrial Area, Bhiwadi — 301019 Dist. Alwar, Rajasthan (INDIA)

Email: marketing@bontoncablesindia.com | Web: www.bontoncablesindia.com