

A circular collage of various images related to industry and construction, including colorful cables, modern buildings, car engines, factory interiors, power plants, robotic arms, and solar panels. The collage is set against a background of concentric white circles on a light gray field.

RR KÄBEL

TECHNICAL BROCHURE
Construction & Building Range



About RR KABEL

RR Kabel is part of RR Global, a USD 1.25 Billion conglomerate in the electrical sector with a presence more than 90 countries globally. Spread across multiple business verticals including Wires & Cables, we continue to endeavor to create best quality products using the latest advances in wire design and engineering. We offer the widest range of premium wires and cables for various residential, commercial, industrial and infrastructure purposes.

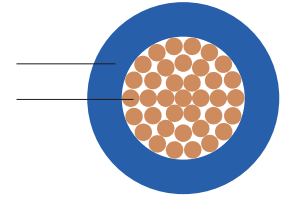
RR Kabel is ISO 9001, ISO 14001 and ISO 45001 certified company. We are available globally with our products being certified to BASEC(UK), UL(USA), CSA(Canada), VDE(Germany), TUV Rheinland (Germany) and others.

With 42 national & international certifications, our products are also compliant to REACH (Registration Evaluation Authorization of Chemical Substances) and RoHS (Restriction of Hazardous Substances) directives have also been achieved with extensive research and development by skilled professionals to make sure our products adhere to global guidelines and standards.

We believe that the future of our industry lies in innovation and effective R&D that in turn helps one to push boundaries and eliminate borders. We at RR Kabel follow this and hence are constantly emerging with new products that are globally significant, at competitive prices and are aimed at providing an environment of utmost safety.

PRODUCTS

1.	FIREX LSOH-EBXL	4 - 5
2.	UNILAY HR FR	6
3.	SUPEREX FR	7
4.	RATNACOM	8
5.	RATNALAN CAT 5e/6	9 - 10
6.	RATNA CO-X	11 - 12
7.	FIRE SURVIVAL CABLE (IS 17505-1)	13 - 18
8.	SPEAKER CABLE	19
9.	CCTV CAMERA CABLE	20
10.	LT - POWER & CONTROL CABLE 1.1 KV IS 7098 P-1	21 - 22
11.	LSOH - FR (IS 17048)	23 - 24
12.	FR - LSH FLEXIBLE SINGLE CORE CABLE	25 - 26
13.	FR HSF	27 - 28
14.	RATNAFLEX MULTICORE (IS 694)	29 - 31
15.	STEEL BRAIDED YSY 1.1 KV	32 - 34



Electron Beam Cross-linked | HFFR (Halogen Free Flame Retardant) insulation | Non-Toxic & Non-Corrosive | Does not melt up to 900°C

Application

Firex LSOH-EBXL is ideal for fixed and protected installations in all kind of building infrastructure where fire protection is of utmost importance. It is best suited for all public / commercial buildings including Airports, Auditoriums, Hospitals, Hotels, Schools, Malls, Retail-Chain Establishments and all infrastructures having large foot falls. The high-performance, reliability and longevity offered by this product also makes it the best choice for all high-rise buildings (above 15 meters in height).

Statutory Requirements

The latest Central Electricity Authority (CEA) Regulation 2023 has made it mandatory to use Halogen Free Flame Retardant cables in public infrastructures (airports, hospitals, hotels) irrespective of height.

Technical Data

Approvals : IS 17048 marked, FIA/TAC

Cable Code : XZ

Voltage Grade : Up to and including 1100V

Conductor : Strands of electrolytic annealed plain copper are multi-drawn for uniformity of resistance, dimension and flexibility.

Insulation : E-Beam Crosslinked HFI-XL 90 Halogen Free Flame Retardant (HFFR)

Colours : Green, Black, Red, Yellow, Blue, Grey, White

Marking : The cables are marked 'FIREX LSOH-EBXL'

Packing : 90 mtrs. Coils packed in protective cartons.

Properties

- It does not melt up to 900°C
- Temperature range : -25°C to 110°C
- Max. short circuit temperature rating: 300°C
- Chlorine Free: Non-toxic & Non-corrosive
- Smoke emission is negligible & transparent
- Excellent water resistance properties
- Abrasion resistant
- Weather resistant
- Anti-Rodent & Anti-Termite
- Offers extended service life
- The victims trapped in fire do not suffocate and this facilitate fire fighting operations.
- Self-extinguishing and flame retardant according to IS 10810 P - 61

Cable Design Parameters

Kindly complete the part numbers for these cables by adding the suffix (in place of 'xx') for the colour required

01 - Green, 02 - Black, 03 - Red, 04 - Blue, 05 - Yellow, 06 - Grey, 07 - White

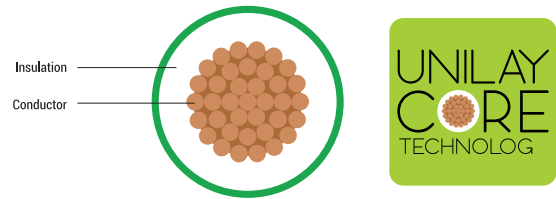
Part Number	Nominal Cross Sectional Area (Sq. mm)	Nominal Insulation Thickness (mm)	Number / Nominal Dia. of Strands	Approx. Overall Diameter (mm)	Max. DC Conductor Resistance at 20°C (Ω/km)	Current Rating (Amps)	
						Casing	Concealed
01010101xx60	1.0*	0.7	14/0.3	2.7	18.1	29	23
01010102xx60	1.5*	0.7	22/0.3	3.0	12.1	37	29
01010103xx60	2.5*	0.8	36/0.3	3.7	7.41	57	40
01010104xx60	4.0**	0.8	56/0.3	4.1	4.95	61	46
01010105xx60	6.0**	0.8	84/0.3	4.6	3.30	78	59

*As per conductor class 2 of IS 8130

** As per conductor class 5 of IS 8130

Test Parameters for Assessment of Halogen

Test	Test Method	Values
pH	IS 17048	≥ 4.3
Conductivity	IS 17048	≤ 10 μs/mm
Chlorine and bromine expressed as content of HCL	IS 10810 P - 59	≤ 0.5 %
Presence of fluorine	IS 17048	≤ 0.1 %



India's 1st Heat Resistant and Flame Retardant REACH Compliant Cable with Unilay Conductor.
No Loose Contacts, No Broken Ends | No Sparking and Overheating

Application

Suitable for use in conduit and for fixed, protected installation, ideal for high density wiring.

Technical Data

Approvals : IS 694 marked, FIA / TAC

Voltage Grade : Up to and including 1100V

Conductor : Thin strands of electrolytic copper are multi-drawn for uniformity of resistance, dimension and flexibility. The drawn strands are uni-laid with high precision and compacted. Thus forming a perfectly circular conductor which enables reduction in overall diameter for space saving in high density wiring.

Conductor Speciality : The strands do not get cut when stripping the insulation. The conductor offers perfect contact at pins, terminals and sockets. Thus, eliminating spot heating and sparking.

Insulation : Specially formulated heat resistant & flame retardant PVC insulation is used. The HR FR property retards the propagation of flame without compromising safety.

Insulation Conformity : IS 5831, Type C - HR 85°C + FR

Cable Design Parameters

Kindly complete the part numbers for these cables by adding the suffix (in place of 'xx') for the colour required:

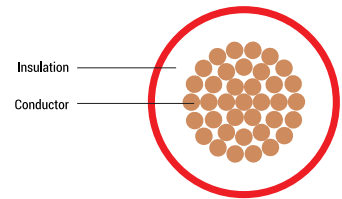
01 - Green, 02 - Black, 03 - Red, 04 - Blue, 05 - Yellow, 06 - Grey, 07 - White

Part Number	Nominal Cross Sectional Area (Sq. mm)	Nominal Insulation Thickness (mm)	Number *Nominal Dia. of Strands	Approx. Overall Diameter (mm)	Max. DC Conductor Resistance at 200C (Ω/km)	Current Rating (Amps)	
						Casing	Concealed
01030101xx40	1.0	0.7	37/0.19	2.6	19.5	14	13
01030102xx40	1.5	0.7	37/0.23	3.0	13.3	18	16
01030103xx40	2.5	0.8	61/0.23	3.6	7.98	24	20
01030104xx40	4.0	0.8	61/0.29	4.1	4.95	32	26
01030105xx40	6.0	0.8	91/0.29	4.6	3.30	38	33

*Conductor as per IS 8130

Properties

Test	Test Method	Values
Limited Oxygen Index	IS 10810 P-58	> 29%
Limited Temp. Index	IS 10810 P-64	>250 °C



India's 1st REACH and RoHS Compliant Cable | Flame Retardant Cable.

Application

Suitable for wiring in all types of residential and commercial infrastructure, where fire and electrical safety is utmost important.

Technical Data

Approvals : IS 694 marked, FIA/TAC

Voltage Grade : Up to and including 1100V

Conductor : Thin strands of electrolytic copper are multi-drawn for uniformity of resistance, dimension and flexibility. The strands are twisted with high precision to impart circularity for the conductor.

Insulation: Specially formulated flame retardant PVC insulation is used. The FR property retards the propagation of flame without compromising safety.

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 'SUPEREX FR'.

Packing : 90 mtr. coil is packed in protective cartons. Project packing of 180 mtr. also available.

Cable Design Parameters

Kindly complete the part numbers for these cables by adding the suffix (in place of 'xx') for the colour required:

01 - green, 02 - black, 03 - red, 04 - blue, 05 - yellow, 06 - grey, 07 - white.

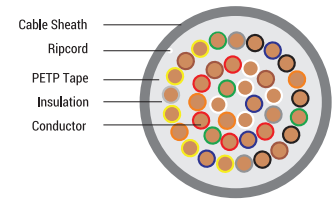
Part Number	Nominal Cross Sectional Area (Sq. mm)	Nominal Insulation Thickness (mm)	Number *Nominal Dia. of Strands	Approx. Overall Diameter (mm)	Max. DC Conductor Resistance at 200C (Ω/km)	Current Rating (Amps)	
						Casing	Concealed
01010102xx20	0.75**	0.6	24/0.2	2.3	26.0	9	8
01010103xx20	1	0.7	14/0.3	2.7	18.1	14	13
01010104xx20	1.5	0.7	22/0.3	3.0	12.1	18	16
01010105xx20	2.5	0.8	36/0.3	3.7	7.41	24	20
01010106xx20	4**	0.8	56/0.3	4.1	4.95	30	26
01010107xx20	6**	0.8	84/0.3	4.6	3.30	38	33

*Conductor as per IS 8130

**Insulation Type D as per IS 5831

Properties

Test	Test Method	Values
Limited Oxygen Index	IS 10810 P-58	> 29%
Limited Temp. Index	IS 10810 P-64	>250 °C



Low Attenuation and Minimised Cross Talk | Flame Retardant Jacket

Application

Recommended for switchboard and telephone wiring in residential and commercial infrastructure, for transmission of analog and digital signals, wiring in faxes, modems, alarm enunciators, data recording/acquisition systems and various communication devices.

Technical Data

Specifications : ITD-S/WS 113C

Conductor : The central conductor is made of solid electrolytic grade of copper

Insulation : Premium quality grade polyethylene used on a special extruder. This offers for low attenuation.

Twisted Pairs : The cores are carefully twisted with optimal lays and bunched together to deliver minimised cross talk.

Jacket : Specially formulated flame retardant (FR) PVC

Marking : The cables are marked 'RATNACOM FR'

Packing : Available in 90 mtr. length in polybag. Higher lengths available on special request.

Cable Design Parameters

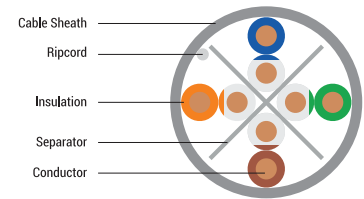
Part Numbers	Size (mm)	No. of Pairs	Approx. Overall Diameter (mm)
10600221040	0.4	2	3.9
10600321040	0.4	3	4.3
10600421040	0.4	4	4.7
10600521040	0.4	5	5.2
10601021040	0.4	10	6.5
10602021040	0.4	20	9.2
10600221050	0.5	2	4.2
10600321050	0.5	3	4.7
10600421050	0.5	4	5.1
10600521050	0.5	5	5.7
10601021050	0.5	10	7.0
10602021050	0.5	20	10

Electrical Parameters

Electrical Parameters	Size	
	0.5 mm	0.4 mm
DC conductor resistance	92.20 Ω/Km at 20°C max.	143.0 Ω/Km at 20°C max.
Mutual capacitance	50 nF/km max.	
Insulation resistance in air	10000 M-Ω/Km	
Capacitance unbalance - pair to pair	250 pF/100m max.	
Capacitance unbalance - pair to ground	330 pF/100m max.	
Resistance unbalance	5% max.	

RATNALAN CAT 5e/6

REACH | RoHS



Application

LAN cables are high performance cables used increasingly for modern computer network systems. These cables form the back bone of modern data transmission in industries, residential and commercial infrastructure.

Technical Data

Performance : RATNALAN enhanced CAT 6 UTP capable of handling 100 + Mbps data rates. RATNALAN CAT 5e UTP is independently verified to exceed the requirements of EN 50173, ISO/IEC 11801 and TIA/EIA 568-B-1/B-2.

Cable Construction

Conductor : Solid bare copper

Insulation : High density polyethylene

Pair : 2 Insulated conductors twisted together

Outer Jacket : FR PVC

Colour Code

1 Pair : White - orange stripe and orange

2 Pair : White - green stripe and green

3 Pair : White - blue stripe and blue

4 Pair : White - brown stripe and brown

Packing : Available in easy pull box of 101 mtr. and 305 mtr. for CAT 5e and CAT 6 is available only in 305 mtr. pack

Type	CAT 5e	CAT 6
Part Number	010701014094	010701014194

Mechanical and Environmental Properties		Applicable International Standards for Cable Construction
Max. Tensile Load :	10 Kgs. per simplex cable (Installation)	ISO/IEC 11801:2002
Min. Bend Radius :	8 x Outer Diameter (Installation) 4 x Outer Diameter (Operation)	ISO/IEC 61156-5
Temp. - Installation :	0°C to +50°C	EN 50173 -1:2002
Temp. - Operation :	-10°C to +60°C	EN 50288-3-1
		ANSI/TIA/EIA 568B-2:2002

Electrical Parameters at 20°C

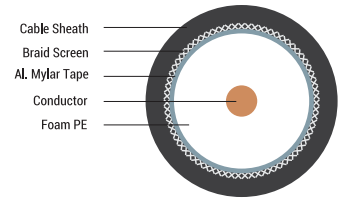
Electrical Characteristics at 20°C	Specification	Typical Performance	
		CAT 5e	CAT 6
Conductor loop resistance	Max. 190/100m	160/100m	140/100m
Conductor resistance unbalance	Max. 2%	0.5%	0.5%
Dielectric strength	1.0 kV DC or 0.7 kV AC for 1 min.	100% in process test	100% in process test
Insulation resistance	>500 MΩ/Km at 100-500V test voltage	>500 MΩ/Km	>500 MΩ/Km
Capacitance unbalance to earth	Max. 160 pF/100m	40 pF/100m	40 pF/100m
Velocity of propagation	<534 nsec/100m at 100MHz	496 nsec/100m at 100 MHz (NVP for hand held testers = 0.69)	490 nsec/100m at 100 MHz (NVP for hand held testers = 0.69)
Skew	Max. 40 nsec/100m at 100MHz	Max. 25 nsec/100m at 100 MHz	Max. 30 nsec/100m at 100 MHz
Mean characteristic impedance	1000 ± 50 at 100 MHz	1000 ± 30 at 100 MHz	1000 ± 30 at 100 MHz
Coupling attenuation up to 1 Ghz	Min. 40 dB	50 dB	56 dB

Typical Headroom Characteristics - CAT 5e

Frequency (MHz)		1	4	10	16	20	31.25	62.5	100	155	200	300
Insertion Loss (dB/100m)	Spec value	2.0	4.1	6.5	8.2	9.3	11.7	17.0	22.0	N/A	N/A	N/A
	Typical value	1.8	3.6	5.8	7.4	8.3	10.5	15.3	19.8	25.4	29.4	33.4
NEXT (dB)	Spec value	65.3	56.3	50.3	47.3	45.8	42.9	38.4	35.4	N/A	N/A	N/A
	Typical value	73.3	64.3	58.3	55.2	53.8	50.9	46.4	43.3	40.4	38.8	37.3
PSNEXT (dB)	Spec value	62.3	53.3	47.3	44.2	42.8	39.9	35.4	32.3	N/A	N/A	N/A
	Typical value	71.3	62.3	56.3	53.2	51.8	48.9	44.4	41.3	38.4	36.8	35.3
ELFEXT (dB/100m)	Spec value	63.8	51.8	43.8	39.7	37.8	33.9	27.9	23.8	N/A	N/A	N/A
	Typical value	78.8	66.8	58.8	54.7	52.8	48.9	42.9	38.4	35	32.8	31.5
PSELFEXT (db/100m)	Spec value	60.8	48.8	40.8	36.7	34.8	30.9	24.9	20.8	N/A	N/A	N/A
	Typical value	76.8	64.8	56.8	52.7	50.8	46.9	40.9	36.8	33	30.8	29.5
Return Loss (dB/100m)	Spec value	N/A	23.1	25.0	25.0	25.0	23.6	21.5	20.1	N/A	N/A	N/A
	Typical value	25.0	28.0	30.0	30.0	30.0	38.6	26.5	25.1	23.8	23.0	22.8
ACR (dB/100m)	Typical value	71.5	60.7	52.5	47.8	45.5	40.4	31.1	23.5	15.0	9.4	3.1
PSACR (dB/100m)	Typical value	69.5	58.7	50.5	45.8	43.5	38.4	29.1	21.5	13.0	7.4	2.0

Typical Headroom Characteristics - CAT 6

Frequency (MHz)		1	4	10	16	20	31.25	62.5	100	155	200	350
Insertion Loss (dB/100m)	Spec value	2.0	3.8	6.0	7.6	8.5	10.7	15.4	19.8	29.0	32.8	N/A
	Typical value	1.9	3.5	5.5	7.0	7.8	9.9	14.1	18.0	26.1	29.4	32.5
NEXT (dB)	Spec value	66.0	65.3	59.3	56.2	54.8	51.9	47.4	44.3	39.8	38.3	N/A
	Typical value	86.5	77.5	71.5	68.4	67.0	64.1	59.6	56.5	52.0	50.5	49.3
PSNEXT (dB)	Spec value	64.0	63.3	57.3	54.2	52.8	49.9	45.4	42.3	37.8	36.3	N/A
	Typical value	84.5	75.5	69.5	66.4	65.0	62.1	57.6	54.5	50.0	48.5	47.3
ELFEXT (dB/100m)	Spec value	66.0	58.0	50.0	45.9	44.0	40.1	34.1	30.0	24.0	22.0	N/A
	Typical value	85.0	73.0	65.0	60.9	59.0	55.1	49.1	45.0	39.0	37.0	35.5
PSELFEXT (db/100m)	Spec value	64.0	55.0	47.0	42.9	41.0	37.1	31.1	27.0	21.0	19.0	N/A
	Typical value	82.0	70.0	62.0	57.9	56.0	52.1	46.4	42.0	36.0	34.0	32.5
Return Loss (dB/100m)	Spec value	N/A	23.0	25.0	25.0	25.0	23.6	21.5	20.1	18.0	17.3	N/A
	Typical value	27.0	30.0	30.0	30.0	30.0	28.6	26.5	25.1	23.0	22.3	21.8
ACR (dB/100m)	Typical value	84.6	73.9	66.0	61.4	59.1	54.2	45.5	38.5	25.9	21.1	16.9
PSACR (dB/100m)t	Typical value	82.6	71.9	64.0	59.0	57.1	52.5	43.5	36.5	23.9	19.1	14.9



Application

High quality co-axial for cable TV network for notch free attenuation values over wide range of frequencies. The special jacketing offers increased life even in rugged conditions.

Technical Data

Conductor : The central conductor is made of solid electrolytic grade annealed plain copper conductor, which has distinct advantages over traditional copper conductor

Insulation : The insulation provided over the conductor is of foam PE

Screen : Aluminium mylar tape is provided over the insulated conductor to shield the conductor and ensures disturbance free transmission of signals

Braiding : The braiding is generally provided with 60% coverage of ATC (Annealed Tinned Copper) / Al alloy

Jacket : Specially formulated PVC, for rugged outdoor usage.

Marking : The cables are marked 'RATNA CO-X'

Cable Design Parameters

Construction Details	Cable Type		
	RG 59 F	RG 6 F*	RG 11 F
Part Number	010501010791	010501020791	010501030791
Inner conductor	Copper	Copper	Copper
Nominal Diameter (mm)	0.8	1.02	1.63
Dielectric	Foam PE	Foam PE	Foam PE
Nominal Diameter (mm)	3.5	4.5	7.0
Outer Conductor	First	Bonded Al Tape	Bonded Al Tape
	Second	Tinned Cu/Al Braid	Tinned Cu/Al Braid
Nominal Coverage (%)	60	60	60
PVC Jacket	Black	Black	Black
Nominal Cable Diameter (mm)	6.2	7.0	10.0

*RG 6 F is also available with CCS conductor and the applicable Part number shall be 010501040791.

Construction Details	Cable Type - Armoured		
	RG 59 F	RG 6 F*	RG 11 F
Part Number	010501050791	010501060791	010501070791
Nominal Cable Diameter (mm)	10.5	11.4	14.6

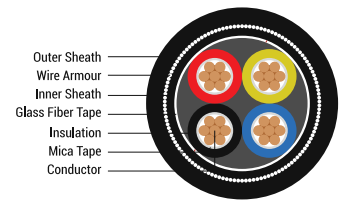
*RG 6 F armoured is also available with CCS conductor and the applicable Part number shall be 010501080791.

Electrical Parameters

Parameters	Cable Type		
	RG 59 F	RG 6 F	RG 11 F
Inner Conductor-Max Resistance at 20°C ($\Omega/100m$)	3.43	2.1	0.8
Nominal Capacitance (pF/m)	53	53	53
Characteristic Impedance (Ω)	75	75	75
Velocity of Propagation (%)	85	85	85
Dielectric Strength (KV)	> 1	> 1	> 1
Minimum Bending Radius (mm)	60	65	75
Maximum Attenuation at 20°C (dB/100m) at	Max.	Max.	Max.
5 MHz	2.8	1.9	1.2
50 MHz	6.7	5.3	3.1
100 MHz	8.8	7.0	4.2
200 MHz	12.4	9.9	6.0
250 MHz	13.4	10.5	6.7
300 MHz	14.6	11.5	7.3
350 MHz	15.7	12.4	7.9
400 MHz	16.7	13.3	8.5
450 MHz	17.7	14.3	9.0
500 MHz	18.7	14.9	9.5
550 MHz	19.5	15.7	9.9
600 MHz	20.3	16.4	10.4
750 MHz	22.8	18.3	11.9
800 MHz	24.5	19.5	12.4
900 MHz	24.7	20.1	13.0
1000 MHz	26.6	21.4	14.2

FIRE SURVIVAL CABLE (IS 17505-1)

REACH | RoHS | CE



Application

The cable is designed to have a robust halogen free construction which is suitable to operate up to 1100V of applications. This cable is suitable for a wiring installation supplying all critical loads requiring supply integrity for required time period under fire situation. They ensure continued operation of the vital circuits in the event of the fire outbreak.

Technical Data

Voltage Rating : 1100 Vac and 1500 Vdc

Operating Temperature Range : -5°C to + 90°C (fixed installation)

Minimum Bending Radius : 12 x overall cable diameter

Cable Construction

Conductor : Electrolytic Annealed Plain / Tinned Copper (Class 1/2) as per IS 8130

Primary Insulation : Mica Tape Layer (s)

Secondary Insulation : Cross linked PE (XLPE) / Cross linked HFFR.

Core Colours :

1 Core – Red, Black, Yellow, Blue or Natural

2 Core – Red & Black

3 Core – Red, Yellow & Blue

4 Core – Red, Yellow, Blue & Black

5 Core – Red, Yellow, Blue, Black & Grey

6 Core and above are number coded

Inner Sheath : Thermoplastic HFFR

Heat Barrier Tape (Optional) : Glass Fibre tape

Armour : Galvanized round wire for multicore & Non-Magnetic wires for single core

Sheath : Thermoplastic HFFR (HFS-TP 90) / Cross linked HFFR (HFS-XL 90)

PROPERTIES

Halogen Free Construction

Non-Toxic & Non-Corrosive

Self extinguishing and Flame Retardant

Maintains long term circuit integrity

F3 / F30 / F60 / F120 FWS Compliant

(F – Fire, W – Water and S – Mechanical Shock)

Cable Technical Data

Please complete the part numbers for these cables by adding the suffix (in place of 'z') for the sheath colour required :

1 – Black, 7 – Red.

Part Number	No. of Cores	*Nominal Cross Sectional Area (mm ²)	Nom. Insulation Thickness (mm)	Approx. Overall Dia. (mm)	Approx. Cable Weight (kg/km)	DC Conductor Resistance at 20°C (Ω / km)	Current Rating (Amps.)		
							Ground at 30°C	Duct at 30°C	Air at 30°C
10050130009z	3	1.5	0.7	15	391.9	12.1	25	19	22
10050131009z	3	2.5	0.7	18	579.0	7.41	35	32	33
10050132009z	3	4	0.7	19	712.0	4.61	44	37	39
10050133009z	3	6	0.7	21	879.5	3.08	55	47	50
10050134009z	3	10	0.7	23	1067.2	1.83	74	61	67
10050135009z	3	16	0.7	23	1214.8	1.15	94	78	85
10050136009z	3	25	0.9	26	1631.6	0.727	120	100	125
10050137009z	3	35	0.9	27	1977.8	0.524	145	120	155
10050138009z	3	50	1	30	2459.4	0.387	170	145	190
10050139009z	3	70	1.1	34	3394.0	0.268	210	175	235
10050140009z	3	95	1.1	38	4321.1	0.193	250	210	290
10050141009z	3	120	1.2	41	5216.4	0.153	285	240	330
10050142009z	3	150	1.4	45	6198.7	0.124	315	270	375
10050143009z	3	185	1.6	49	7531.1	0.0991	355	300	435
10050144009z	3	240	1.7	55	9853.2	0.0754	410	350	510
10050145009z	3	300	1.8	60	11920.6	0.0601	460	390	590
10050146009z	3	400	2	66	14679.5	0.047	520	440	670
10050147009z	3.5	25	0.9	28	1810.0	0.727	120	100	125
10050148009z	3.5	35	0.9	30	2220.0	0.524	145	120	155
10050149009z	3.5	50	1	33	2850.0	0.387	170	145	190
10050150009z	3.5	70	1.1	38	3875.0	0.268	210	175	235
10050151009z	3.5	95	1.1	41	4880.0	0.193	250	210	290
10050152009z	3.5	120	1.2	45	5980.0	0.153	285	240	330
10050153009z	3.5	150	1.4	50	7300.0	0.124	315	270	375
10050154009z	3.5	185	1.6	55	8080.0	0.0991	355	300	435
10050155009z	3.5	240	1.7	62	11500.0	0.0754	410	350	510
10050156009z	3.5	300	1.8	67	13800.0	0.0601	460	390	590
10050157009z	3.5	400	2	74	16300.0	0.047	520	440	670

Variant with Cross Linked Halogen Free Flame Retardant (XL-HFFR) insulation

Part Number	No. of Cores	*Nominal Cross Sectional Area (mm ²)	Nom. Insulation Thickness (mm)	Approx. Overall Dia. (mm)	Approx. Cable Weight (kg/km)	DC Conductor Resistance at 20°C (Ω / km)	Current Rating (Amps.)		
							Ground at 30°C	Duct at 30°C	Air at 30°C
10050101006z	1	16	1.2	13	306.4	306.4	104	102	106
10050102006z	1	25	1.3	14	428.6	428.6	130	115	145
10050103006z	1	35	1.3	17	577.1	577.1	155	140	175
10050104006z	1	50	1.4	18	715.1	715.1	185	165	215
10050105006z	1	70	1.5	21	998.9	998.9	225	200	270
10050106006z	1	95	1.5	22	1259.4	1259.4	265	235	330

Part Number	No. of Cores	*Nominal Cross Sectional Area (mm ²)	Nom. Insulation Thickness (mm)	Approx. Overall Dia. (mm)	Approx. Cable Weight (kg/km)	DC Conductor Resistance at 20°C (Ω / km)	Current Rating (Amps.)		
							Ground at 30°C	Duct at 30°C	Air at 30°C
10050107006z	1	120	1.7	24	1534.2	1534.2	300	265	380
10050108006z	1	150	1.9	26	1845.5	1845.5	335	300	430
10050109006z	1	185	2.1	28	2239.7	2239.7	380	335	495
10050110006z	1	240	2.1	31	2837.9	2837.9	435	385	590
10050111006z	1	300	2.3	34	3545.2	3545.2	490	430	670
10050112006z	1	400	2.6	37	4420.6	4420.6	550	480	780
10050113006z	2	1.5	0.8	16	496.7	12.1	33	25	29
10050114006z	2	2.5	0.8	17	555.6	7.41	43	33	39
10050115006z	2	4	0.8	19	661.3	4.61	51	37	44
10050116006z	2	6	0.8	21	805.6	3.08	63	46	56
10050117006z	2	10	0.9	23	986.4	1.83	88	62	75
10050118006z	2	16	0.9	22	1061.0	1.15	113	81	98
10050119006z	2	25	1	24	1408.0	0.727	144	109	131
10050120006z	2	35	1	26	1671.7	0.524	175	125	150
10050121006z	2	50	1.1	28	2026.1	0.387	206	161	194
10050122006z	2	70	1.2	32	2604.2	0.268	256	203	244
10050123006z	2	95	1.25	35	3419.9	0.193	300	239	288
10050124006z	2	120	1.4	38	4146.8	0.153	344	275	331
10050125006z	2	150	1.6	42	4940.8	0.124	388	316	381
10050126006z	2	185	1.8	46	5916.1	0.0991	438	364	438
10050127006z	2	240	1.8	51	7720.1	0.0754	506	425	512
10050128006z	2	300	2	55	9234.8	0.0601	562	482	581
10050129006z	2	400	2.2	61	11302.6	0.047	612	549	662
10050158006z	4	1.5	0.8	18	643.0	12.1	25	19	22
10050159006z	4	2.5	0.8	20	802.5	7.41	35	32	33
10050160006z	4	4	0.8	22	920.4	4.61	44	37	39
10050161006z	4	6	0.8	23	1061.8	3.08	55	47	50
10050162006z	4	10	0.9	25	1332.7	1.83	74	61	67
10050163006z	4	16	0.9	27	1618.8	1.15	94	78	85
10050164006z	4	25	1	30	2200.4	0.727	120	100	125
10050165006z	4	35	1	33	2695.0	0.524	145	120	155
10050166006z	4	50	1.1	37	3588.6	0.387	170	145	190
10050167006z	4	70	1.2	41	4669.4	0.268	210	175	235
10050168006z	4	95	1.25	46	5906.7	0.193	250	210	290
10050169006z	4	120	1.4	52	7679.5	0.153	285	240	330
10050170006z	4	150	1.6	56	9059.5	0.124	315	270	375
10050171006z	4	185	1.8	62	10991.4	0.0991	355	300	435
10050172006z	4	240	1.8	69	14224.7	0.0754	410	350	510
10050173006z	4	300	2	75	17214.8	0.0601	460	390	590
10050174006z	4	400	2.2	83	21257.9	0.047	520	440	670
10050175006z	7	1.5	0.8	22	955.4	12.1	21	16	18

Part Number	No. of Cores	*Nominal Cross Sectional Area (mm ²)	Nom. Insulation Thickness (mm)	Approx. Overall Dia. (mm)	Approx. Cable Weight (kg/km)	DC Conductor Resistance at 20°C (Ω / km)	Current Rating (Amps.)		
							Ground at 30°C	Duct at 30°C	Air at 30°C
10050176006z	12	1.5	0.8	26	1348.9	12.1	17	13	315
10050177006z	16	1.5	0.8	28	1597.9	12.1	16	12	14
10050178006z	19	1.5	0.8	30	1788.8	12.1	15	11	13
10050179006z	27	1.5	0.8	35	2490.5	12.1	13	10	12
10050180006z	37	1.5	0.8	39	3081.7	12.1	11	9.5	10.5

Variant With Cross Linked Polyethylene (XLpe) Insulation

Part Number	No. of Cores	*Nominal Cross Sectional Area (mm ²)	Nom. Insulation Thickness (mm)	Approx. Overall Dia. (mm)	Approx. Cable Weight (kg/km)	DC Conductor Resistance at 20°C (Ω / km)	Current Rating (Amps.)		
							Ground at 30°C	Duct at 30°C	Air at 30°C
10050101009z	1	16	1	12	279.9	1.15	104	102	106
10050102009z	1	25	1.2	14	403.0	0.727	130	115	145
10050103009z	1	35	1.2	15	506.3	0.524	155	140	175
10050104009z	1	50	1.3	18	682.6	0.387	185	165	215
10050105009z	1	70	1.4	20	952.1	0.268	225	200	270
10050106009z	1	95	1.4	22	1212.6	0.193	265	235	330
10050107009z	1	120	1.5	24	1587.7	0.153	300	265	380
10050108009z	1	150	1.7	25	1761.9	0.124	335	300	430
10050109009z	1	185	1.9	28	2145.8	0.0991	380	335	495
10050110009z	1	240	2	31	2741.0	0.0754	435	385	590
10050111009z	1	300	2.1	34	3409.2	0.0601	490	430	670
10050112009z	1	400	2.4	37	4262.1	0.047	550	480	780
10050113009z	2	1.5	1.5	15	370.2	12.1	33	25	25
10050114009z	2	2.5	2.5	17	524.2	7.41	43	33	33
10050115009z	2	4	4	18	594.8	4.61	51	37	37
10050116009z	2	6	6	20	781.4	3.08	63	46	46
10050117009z	2	10	10	22	914.3	1.83	88	62	62
10050118009z	2	16	16	21	1005.7	1.15	113	81	81
10050119009z	2	25	25	24	1329.5	0.727	144	109	109
10050120009z	2	35	35	26	1586.0	0.524	175	125	125
10050121009z	2	50	50	28	1926.0	0.387	206	161	161
10050122009z	2	70	70	31	2483.7	0.268	256	203	203
10050123009z	2	95	95	35	3301.3	0.193	300	239	239
10050124009z	2	120	120	38	3947.3	0.153	344	275	275
10050125009z	2	150	150	41	4704.4	0.124	388	316	316
10050126009z	2	185	185	45	5614.6	0.0991	438	364	364
10050127009z	2	240	240	49	6987.1	0.0754	506	425	425
10050128009z	2	300	300	55	8852.0	0.0601	562	482	482
10050129009z	2	400	400	60	10848.5	0.047	612	549	549
10050158009z	4	1.5	0.7	17	548.8	548.8	25	19	22
10050159009z	4	2.5	0.7	19	698.8	698.8	35	32	33
10050160009z	4	4	0.7	21	866.3	866.3	44	37	39
10050161009z	4	6	0.7	22	1003.5	1003.5	55	47	50

Part Number	No. of Cores	*Nominal Cross Sectional Area (mm ²)	Nom. Insulation Thickness (mm)	Approx. Overall Dia. (mm)	Approx. Cable Weight (kg/km)	DC Conductor Resistance at 20°C (Ω / km)	Current Rating (Amps.)		
							Ground at 30°C	Duct at 30°C	Air at 30°C
10050162009z	4	10	0.7	24	1247.5	1247.5	74	61	67
10050163009z	4	16	0.7	26	1512.8	1512.8	94	78	85
10050164009z	4	25	0.9	30	2105.9	2105.9	120	100	125
10050165009z	4	35	0.9	32	2573.1	2573.1	145	120	155
10050166009z	4	50	1	36	3434.5	3434.5	170	145	190
10050167009z	4	70	1.1	41	4507.9	4507.9	210	175	235
10050168009z	4	95	1.1	45	5676.0	5676.0	250	210	290
10050169009z	4	120	1.2	49	6888.9	6888.9	285	240	330
10050170009z	4	150	1.4	55	8691.4	8691.4	315	270	375
10050171009z	4	185	1.6	60	10496.4	10496.4	355	300	435
10050172009z	4	240	1.7	68	13827.0	13827.0	410	350	510
10050173009z	4	300	1.8	74	16613.5	16613.5	460	390	590
10050174009z	4	400	2	82	20465.7	20465.7	520	440	670
10050175009z	7	1.5	0.7	20	854.4	12.1	21	16	18
10050176009z	12	1.5	0.7	24	1188.6	12.1	17	13	15
10050177009z	16	1.5	0.7	26	1390.0	12.1	16	12	14
10050178009z	19	1.5	0.7	27	1530.2	12.1	15	11	13
10050179009z	27	1.5	0.7	32	1986.4	12.1	13	10	12
10050180009z	37	1.5	0.7	36	2669.4	12.1	11	9.5	10.5
10050181009z	7	2.5	0.7	22	956.2	7.41	27	21	15
10050182009z	12	2.5	0.7	27	1335.5	7.41	23	19.5	20.5
10050183009z	16	2.5	0.7	29	1552.2	7.41	20	18	19
10050184009z	19	2.5	0.7	31	1768.9	7.41	19	15	17
10050185009z	27	2.5	0.7	37	2519.9	7.41	17	14.5	14
10050186009z	37	2.5	0.7	41	3103.7	7.41	14.5	12.5	13
10050130006z	3	1.5	0.8	17	546.9	12.1	25	25	22
10050131006z	3	2.5	0.8	18	617.4	7.41	35	35	33
10050132006z	3	4	0.8	20	811.1	4.61	44	44	39
10050133006z	3	6	0.8	22	928.5	3.08	55	55	50
10050134006z	3	10	0.9	24	1137.5	1.83	74	74	67
10050135006z	3	16	0.9	23	1284.6	1.15	94	94	85
10050136006z	3	25	1	26	1712.5	0.727	120	120	125
10050137006z	3	35	1	28	2066.3	0.524	145	145	155
10050138006z	3	50	1.1	31	2563.3	0.387	170	170	190
10050139006z	3	70	1.2	35	3527.5	0.268	210	210	235
10050140006z	3	95	1.25	38	4469.8	0.193	250	250	290
10050141006z	3	120	1.4	42	5424.6	0.153	285	285	330
10050142006z	3	150	1.6	46	6465.9	0.124	315	315	375
10050143006z	3	185	1.8	52	8278.9	0.0991	355	355	435
10050144006z	3	240	1.8	56	10156.1	0.0754	410	410	510
10050145006z	3	300	2	61	12319.6	0.0601	460	460	590
10050146006z	3	400	2.2	68	15875.8	0.047	520	520	670
10050147006z	3.5	25	1	28	1950.0	0.727	120	120	125

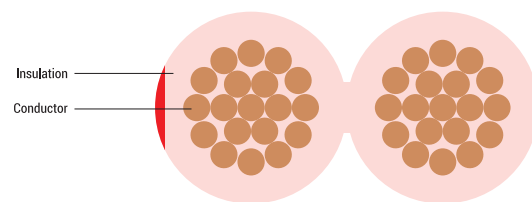
Part Number	No. of Cores	*Nominal Cross Sectional Area (mm ²)	Nom. Insulation Thickness (mm)	Approx. Overall Dia. (mm)	Approx. Cable Weight (kg/km)	DC Conductor Resistance at 20°C (Ω / km)	Current Rating (Amps.)		
							Ground at 30°C	Duct at 30°C	Air at 30°C
10050148006z	3.5	35	1	30	2375.0	0.524	145	145	155
10050149006z	3.5	50	1.1	34	3060.0	0.387	170	170	190
10050150006z	3.5	70	1.2	38	4085.0	0.268	210	210	235
10050151006z	3.5	95	1.25	42	5120.0	0.193	250	250	290
10050152006z	3.5	120	1.4	47	6520.0	0.153	285	285	330
10050153006z	3.5	150	1.6	51	7700.0	0.124	315	315	375
10050154006z	3.5	185	1.8	57	7660.0	0.0991	355	355	435
10050155006z	3.5	240	1.8	62	12100.0	0.0754	410	410	510
10050156006z	3.5	300	2	68	14752.0	0.0601	460	460	590
10050157006z	3.5	400	2.2	76	18560.0	0.047	520	520	670
10050181006z	7	2.5	0.8	25	1028.1	7.41	27	21	15
10050182006z	12	2.5	0.8	29	1460.4	7.41	23	19.5	20.5
10050183006z	16	2.5	0.8	33	1650.0	7.41	20	18	19
10050184006z	19	2.5	0.8	35	1927.6	7.41	19	15	17
10050185006z	27	2.5	0.8	38	2745.9	7.41	17	14.5	14
10050186006z	37	2.5	0.8	42	3425.1	7.41	14.5	12.5	13

* up to 6 Sq mm circular stranded

10 Sq. mm stranded circular compacted

16 Sq. mm above stranded shaped compacted.

Note: The cable is also available with class 1 solid conductor



Application

Speaker cables are highly recommended for use in connecting speakers, public address system for clear and distortion free voice with low dB loss.

Cable Construction

The cables are manufactured with bright annealed plain flexible electrolytic grade copper conductor, bunched compactly, insulated with specially formulated PVC compound. Each core is uniquely designed for easy identification. In order to offer uniform capacitance throughout length the distance between the two conductors is maintained uniformly.

Colour Availability : Transparent / black with red tracer for polarity identification.

Packing : The delivery length is available in 90 mtr. coils

Cable Design Parameters

Kindly complete the part numbers for these cables by adding the suffix (in place of 'xx') for colour required:

00 - Transparent, 02 - black.

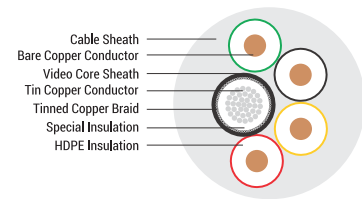
Part Number	Equivalent AWG	Nominal Cross Sectional Area (Sq. mm)	Max. DC Conductor Resistance at 20°C (Ω/km)	Maximum Overall Dimensions (W X H) (mm)
01090101xx10	22	0.5	39.0	4.2 x 2.1
01090102xx10	19	0.8	26.0	4.7 x 2.4
01090103xx10	18	1.0	19.5	5.7 x 2.9
01090104xx10	16	1.5	13.3	6.0 x 3.0
01090105xx10	14	2.5	8.0	7.0 x 3.6
01090106xx10	12	4.0	5.0	8.4 x 4.1
01090107xx10	10	6.0	3.3	9.6 x 4.7

Recommended length

Wire Size	2Ω load	4Ω load	6Ω load	8Ω load
22 AWG	3ft (0.9m)	6ft (1.8m)	9ft (2.7m)	12ft (3.6m)
19 AWG	5ft (1.5m)	10ft (3m)	15ft (4.5m)	20ft (6m)
18 AWG	8ft (2.4m)	16ft (4.9m)	24ft (7.3m)	32ft (9.7m)
16 AWG	12ft (3.6m)	24ft (7.3m)	36ft (11m)	48ft (15m)
14 AWG	20ft (6.1m)	40ft (12m)	60ft (18m)	80ft (24m)
12 AWG	30ft (9.1m)	60ft (18m)	90ft (27m)	120ft (36m)
10 AWG	50ft (15m)	100ft (30m)	150ft (46m)	200ft (61m)

CCTV CAMERA CABLE

REACH | RoHS



Application

These cables are specifically designed to transmit complete video frequency with minimum distortion or attenuation for security and surveillance. This cable is offered in two variants viz., 4+1 and 3+1 CCTV Camera cable.

Properties

CCTV cables are designed to optimize the quality of video signals. The dense tin coated copper screen ensures complete elimination of EMI/RFI from video signals and also provides reduced DC resistance ground path. The multi stranded construction of video core offers better flexibility and reduced bending radius.

Cable Construction

Screened Core for Video signal

Conductor : The central conductor is made of flexible fine wires tin coated electrolytic grade copper

Insulation : The insulation provided over the conductor is with high dielectric strength and low capacitance

Screen : Annealed tin coated copper braid screen, approx. 85% coverage

Sheath : Black colored PVC

Power Cores

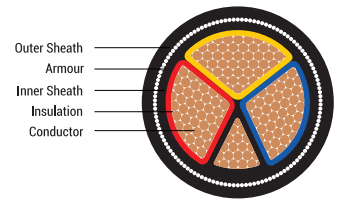
Conductor : Solid electrolytic grade annealed plain copper, 0.5 mm

Insulation : The insulation provided over the conductor is of high density polyethylene (HDPE)

Sheath : PVC

Cable Colour : White.

Part Number	Cable Type	Cable Size (Sq. mm)	Nominal Cable Diameter (mm)	Power Core Colour
010801010795	CCTV Cable 4+1	4C + 1C x 0.25	6.0	RD, YL, BK, GN
010801020795	CCTV Cable 3+1	3C + 1C x 0.25	6.0	RD, YL, BL



Al/Cu LT Power & Control Cable as Per IS:7098 P-1 (Arm / Unarm Cable)

Technical Data

Type of Conductor : Aluminium or Copper, 1.5 sq. mm to 6 sq. mm class -1 round or class-2 stranded, Round 10 sq. mm class 2 round, 16 sq.mm & above class - 2 circular, compact circular or sector

Type of Insulation

XLPE as per IS : 7098 P-1

Max. conductor operating temperature : 90°C

Short circuit condition temperature : 250°C

Voltage rating : 1100V

Inner Sheath

PVC tape or PVC extruded as Per IS 7098 P -1

Armouring

In single core Al wire / strip & In multi core G.I. wire / strip

Outer Sheath

PVC type ST2 as per IS 5831 & FR or FR-LSH as per IS: 7098 P-1

Marking on Cable

By embossing / By inkjet printing

Product Range

1C upto 1000 sq. mm

2C, 3C, 3.5C, 4C upto 630 sq. mm

1.5 to 4 sq. mm 2C to 61C

4 & 6 sq. mm up to 7C, Arm & unarm

Core Colour

1C: Any one out of Red, Blue, Black, Yellow, Natural

2C: Red, Black

3C: Red, Yellow, Blue

3.5C: Red, Yellow, Blue & Neutral Black

4C: Red, Yellow, Blue, Black

5C: Red, Yellow, Blue, Black, Grey

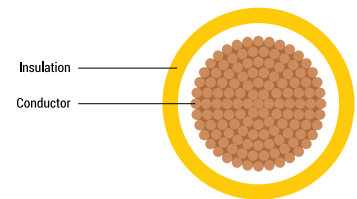
6C & Above: In each layer Bl, Yl & Others GY or numbering on Grey or Black core

Size Range

Sr. No.	Single Core Arm / Unarm	Two Core Arm / Unarm	Three Core Arm / Unarm	Three & Half Core Arm / Unarm	Four Core Arm / Unarm	Drum Packing	
						Al	Cu
1	-	10 /2C	10/3C	-	10 /4C	1000	1000
2	-	16/2C	16/3C	-	16/4C	1000	1000
3	25/1C	25/2C	25/3C	25/3.5C	25/4C	1000/500	500
4	35/1C	35/2C	35/3C	35/3.5C	35/4C	1000/500	500
5	50/1C	50/2C	50/3C	50/3.5C	50/4C	500	500
6	70/1C	70/2C	70/3C	70/3.5C	70/4C	500	500
7	95/1C	95/2C	95/3C	95/3.5C	95/4C	500	500
8	120/1C	120/2C	120/3C	120/3.5C	120/4C	500	500
9	150/1C	150/2C	150/3C	150/3.5C	150/4C	500	250
10	185/1C	185/2C	185/3C	185/3.5C	185/4C	500	250
11	240/1C	240/2C	240/3C	240/3.5C	240/4C	500	250
12	300/1C	300/2C	300/3C	300/3.5C	300/4C	500	250
13	400/1C	400/2C	400/3C	400/3.5C	400/4C	500	250
14	500/1C	500/2C	500/3C	500/3.5C	500/4C	500	250
15	630/1C	630/2C	630/3C	630/3.5C	630/4C	500	250
16	800/1C	-	-	-	-	500	250
17	1000/1C	-	-	-	-	500	250

LSOH-FR (IS 17048)

REACH | RoHS | CE



HFFR (Halogen Free Flame Retardant) insulation 70°C | Non-Toxic & Non-Corrosive | Does not propagate flame & fire.

Application

Flexible single core cable with Halogen Free Flame Retardant insulation. These are suitable for flexible installations preferably in panels, cabinets, machineries, controllers, equipments used in chemical industries, oil and gas industries, in explosive or fire prone areas where safety is utmost important. They also find their usage in flexible wiring installations in industrial and commercial areas with dense population.

Technical Data

Approvals : IS 17048 marked, FIA/TAC

Cable Code : Z

Voltage Grade : Up to and including 1100V

Conductor : Flexible electrolytic annealed plain copper, class 5, IS 8130

Insulation : HFI-TP 70, Thermoplastic halogen free flame retardant.

Packing : 200 mtr. In polybag packing or 180 mtr. coil packed in protective cartons

Properties

Temperature range : -15°C to +70°C

Max. short circuit temperature rating : 160°C

The insulation does not burn readily.

Smoke is negligible, transparent, non-toxic

The victims trapped in fire do not suffocate and this facilitate fire fighting operations.

Self-extinguishing and flame retardant according to IS 10810 P – 61

Free from 240+ hazardous substance

Cable Design Parameters

Kindly complete the part numbers for these cables by adding the suffix (in place of 'xx') for the colour required:

01 – green, 02 – black, 03 – red, 04 – blue, 05 – yellow, 06 – green/yellow, 07 – white, 08 – violet, 09 – brown, 10 – orange, 11 – pink, 12 – grey.

Part Number	Nominal Cross Sectional Area (sq, mm)	No of Strands/Max. strand dia. (mm)	Nominal Insulation Thickness (mm)	Maximum Diameter Over insulation (mm)	Max. current carrying capacity (A)
02070101xx70	0.5	16/0.2	0.6	2.6	5
02070102xx70	0.75	24/0.2	0.6	2.8	8
02070103xx70	1	32/0.2	0.6	3.0	13
02070104xx70	1.5	30/0.25	0.7	3.4	17
02070105xx70	2.5	50/0.25	0.8	4.1	24
02070106xx70	4	56/0.30	0.8	4.8	30
02070107xx70	6	84/0.30	0.8	5.3	38
02070108xx70	10	140/0.30	1.0	7.0	52
02070109xx70	16	126/0.40	1.0	8.1	70
02070110xx70	25	196/0.40	1.2	10.2	88
02070111xx70	35	276/0.40	1.2	11.7	112
02070112xx70	50	396/0.40	1.4	13.9	146
02070113xx70	70	360/0.50	1.4	16.0	216
02070114xx70	95	480/0.50	1.6	18.2	262
02070115xx70	120	608/0.50	1.6	20.2	310
02070116xx70	150	750/0.50	1.8	22.5	355
02070117xx70	185	931/0.50	2.0	24.9	415
02070118xx70	240	1200/0.50	2.2	28.4	500
02070119xx70	300	1500/0.50	2.4	31.0	550

Test Parameters

Test	Test Method	Values
Limited Oxygen Index	IS 10810 P-58	> 31%
Limited Temp. Index	IS 10810 P-64	≥ 250 °C
Light Transmittance (Smoke Density test*)	IS 10810 P – 63	> 70 %

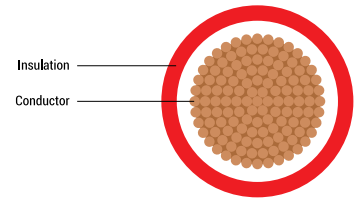
Assessment of Halogen

Test	Test Method	Values
pH	IS 17048	≥ 4.3
Conductivity	IS 17048	≤ 10 µs/mm
Chlorine and bromine expressed as content of HCL	IS 10810 P – 59	≤ 0.5 %
Presence of fluorine	IS 17048	≤ 0.1 %

* Applicable for cable diameter above 10 mm as per IS 10810 P-63

FR-LSH FLEXIBLE SINGLE CORE CABLE

REACH | RoHS | CE



FR-LSH (Flame Retardant Low Smoke and Halogen) insulation 70°C | Does not propagate flame & fire | Reduced Smoke and acid gas emission

Application

Flexible single core cable with FR-LSH (Flame Retardant Low Smoke and Halogen) PVC insulation. This cable can be used in panels, cabinets, machines and internal wirings with switchgears, relays, controllers, equipments, controls units, etc. specially in hazard prone areas. They also find their usage in flexible wiring installations in industrial and commercial areas with dense population.

Technical Data

Approvals : IS 69 marked, FIA / TAC

Cable Code : Y (FR-LSH)

Voltage : Up to and including 1100V

Conductor : Flexible electrolytic annealed plain copper, class 5, IS 8130

Insulation : Specially formulated FR-LSH (Flame Retardant Low Smoke and Halogen) PVC, IS 5831

Packing : Standard packing of 100 mtr. in coil. Longer length available on request

Properties

Temperature range : -15°C to +70°C

Reduced smoke emission provides higher visibility

Minimized acid gas generation

Max. short circuit temperature rating: 160°C

Self-extinguishing and flame retardant according to IS 10810 P – 61

Free from 240+ hazardous substance

Cable Design Parameters

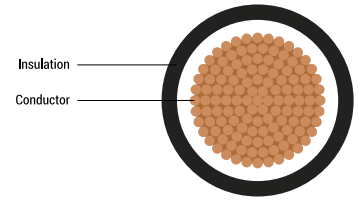
Kindly complete the part numbers for these cables by adding the suffix (in place of 'xx') for the colour required:

01 – green, 02 – black, 03 – red, 04 – blue, 05 – yellow, 06 – green/yellow, 07 – white, 08 – violet, 09 – brown, 10 – orange, 11 – pink, 12 – grey.

Part Number	Nominal Cross Section Area (Sq. mm)	No of Strands/Max. Strand Diameter (mm)	Nominal Insulation Thickness (mm)	Maximum Diameter Over Insulation (mm)	Max. Current Carrying Capacity (A)
02080101xx50	0.5	16/0.2	0.6	2.6	5
02080102xx50	0.75	24/0.2	0.6	2.8	8
02080103xx50	1	32/0.2	0.6	3.0	13
02080104xx50	1.5	30/0.25	0.7	3.4	17
02080105xx50	2.5	50/0.25	0.8	4.1	24
02080106xx50	4	56/0.30	0.8	4.8	30
02080107xx50	6	84/0.30	0.8	5.3	38
02080108xx50	10	140/0.30	1.0	7.0	52
02080109xx50	16	126/0.40	1.0	8.1	70
02080110xx50	25	196/0.40	1.2	10.2	88
02080111xx50	35	276/0.40	1.2	11.7	112
02080112xx50	50	396/0.40	1.4	13.9	146
02080113xx50	70	360/0.50	1.4	16.0	216
02080114xx50	95	480/0.50	1.6	18.2	262
02080115xx50	120	608/0.50	1.6	20.2	310
02080116xx50	150	750/0.50	1.8	22.5	355
02080117xx50	185	931/0.50	2.0	24.9	415
02080118xx50	240	1200/0.50	2.2	28.4	500
02080119xx50	300	1500/0.50	2.4	31.0	550

Test Parameters

Test	Test Method	Values
Limited Oxygen Index	IS 10810 P-58	> 29%
Limited Temp. Index	IS 10810 P-64	≥ 250 °C
Smoke Density	IS 10810 P – 63	< 60 %
Acid Gas Generation	IS 10810 P-59	< 20 %



FR (Flame Retardant) insulation 70°C | Hazardous substance free | Does not propagate flame & fire.

Application

Flexible single core cable with Flame Retardant PVC insulation. This cable can be used in panels, cabinets, machines and internal wirings with switchgears, relays, controllers, equipments, controls units, etc.

Technical Data

Approvals : IS 694 marked, FIA/TAC

Cable Code : Y (FR)

Voltage Grade : Up to and including 1100V

Conductor : Flexible electrolytic annealed plain copper, class 5, IS 8130

Insulation : FR (Flame Retardant) PVC, IS 5831

Packing : 200 mtr. In polybag packing or 180 mtr. coil packed in protective cartons

Properties

Temperature range : -15°C to +70°C

Max. short circuit temperature rating : 160°C

Self-extinguishing and flame retardant according to IS 10810 P – 61

Free from 240+ hazardous substance (REACH Compliant)

Cable Design Parameters

Kindly complete the part numbers for these cables by adding the suffix (in place of 'xx') for the colour required:

01 – green, 02 – black, 03 – red, 04 – blue, 05 – yellow, 06 – green/yellow, 07 – white, 08 – violet, 09 – brown, 10 – orange, 11 – pink, 12 – grey.

Part Number	Nominal Cross Sectional Area (sq, mm)	No of Strands/Max. strand dia. (mm)	Nominal Insulation Thickness (mm)	Maximum Diameter Over insulation (mm)	Max. current carrying capacity (A)
02090101xx20	0.5	16/0.2	0.6	2.6	5
02090102xx20	0.75	24/0.2	0.6	2.8	8
02090103xx20	1	32/0.2	0.6	3.0	13
02090104xx20	1.5	30/0.25	0.7	3.4	17
02090105xx20	2.5	50/0.25	0.8	4.1	24
02090106xx20	4	56/0.30	0.8	4.8	30
02090107xx20	6	84/0.30	0.8	5.3	38
02090108xx20	10	140/0.30	1.0	7.0	52
02090109xx20	16	126/0.40	1.0	8.1	70
02090110xx20	25	196/0.40	1.2	10.2	88
02090111xx20	35	276/0.40	1.2	11.7	112
02090112xx20	50	396/0.40	1.4	13.9	146
02090113xx20	70	360/0.50	1.4	16.0	216
02090114xx20	95	480/0.50	1.6	18.2	262

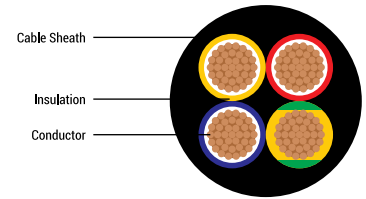
Part Number	Nominal Cross Sectional Area (sq, mm)	No of Strands/Max. strand dia. (mm)	Nominal Insulation Thickness (mm)	Maximum Diameter Over insulation (mm)	Max. current carrying capacity (A)
02090115xx20	120	608/0.50	1.6	20.2	310
02090116xx20	150	750/0.50	1.8	22.5	355
02090117xx20	185	931/0.50	2.0	24.9	415
02090118xx20	240	1200/0.50	2.2	28.4	500
02090119xx20	300	1500/0.50	2.4	31.0	550

Test Parameters

Test	Test Method	Values
Limited Oxygen Index	IS 10810 P-58	> 29%
Limited Temp. Index	IS 10810 P-64	≥ 250 °C

RATNAFLEX MULTICORE (IS 694)

REACH | RoHS | CE



Application

These cables are designed for residential and commercial infrastructure. They serve as the connecting medium in power and control panels, cabinets & switchgears. They can also be used for purposes such as stationary and static appliances, motors and for other single phase connections.

Ratnaflex -M: PVC insulated & sheathed multicore cables suitable for all general purpose wirings for max. operating temperature of 70°C.

Ratnaflex -M HR: HR PVC insulated & sheathed multicore cables suitable for higher operating temperature of 70°C.

Ratnaflex -M FR: Flame Retardant (FR) multicore cable enhances safety and are suitable for max. operating temperature 70°C.

Ratnaflex -M HRFR: Heat Resistant (HR) & Flame Retardant (FR) multicore cables are suitable for higher operating temperature up to 85°C with enhanced safety.

Ratnaflex -M FR-LSH: Flame Retardant Low Smoke Low Halogen (FR-LSH) cables are suitable for wiring in public places like schools, hospitals, theatres, etc.

Technical Data

Approvals : IS 694 marked, FIA/TAC

Conductor : Electrolytic grade annealed copper Class 5 as per IS 8130

Standard Cable Colour : Black, grey & white

Voltage Rating : Up to and including 1100V

Packing : Standard packing of 100 mtr. in coil. Longer length available on request

Variants Available

Product Type/Legends	Specifications
RATNAFLEX-M	IS 694, IS 8130 Class 5, IS 5831 Type D for insulation & ST-3 & for sheathing
RATNAFLEX-M HR	IS 694, IS 8130 Class 5, IS 5831 Type C for insulation & ST-2 for sheathing
RATNAFLEX-M FR	IS 694, IS 8130 Class 5, IS 5831 Type D for insulation & ST-3 (FR) & for sheathing
RATNAFLEX-M HR FR	IS 694, IS 8130 Class 5, IS 5831 Type C for insulation & ST-2 (FR) for sheathing
RATNAFLEX-M FR-LSH	IS 694, IS 8130 Class 5, IS 5831 Type D for insulation & ST-3 (FR-LSH) for sheathing

Please complete the part numbers for these cables by adding the suffix (in place of 'xx') for the insulation colour required.
 06 - green-yellow earth core. We offer green/yellow earth core as our standard product.
 00 - without green-yellow earth core (available on request).

Kindly complete the part numbers for these cables by adding the suffix (in place of 'y') for the product type required.
 1 - PVC 70°C, 2 - PVC FR 70°C, 3 - PVC HR 85°C, 4 - PVC HR 85°C + FR, 5 - PVC FR-LSH 70°C.

Kindly complete the part numbers for these cables by adding the suffix (in place of 'z') for the sheath colour required.
 1 - black, 4 - grey, 5 - white.

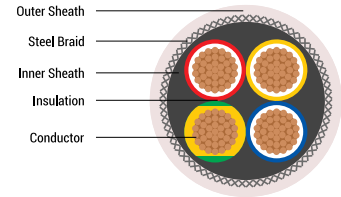
Kindly add 'OU' after the part number, for the cables required for outdoor application.

Part Number	No. of Cores	Nominal Cross Sectional Area (Sq. mm)	Nominal Insulation Thickness (mm)	Max. D.C. Conductor Resistance at 20°C (Ω/km)	Nominal Thickness of Sheath	Maximum Overall Dimensions (mm)
03010101xyz	1	0.5	0.6	39.0	0.9	4.3
03010102xyz	2	0.5	0.6	39.0	0.9	6.9
03010103xyz	3	0.5	0.6	39.0	0.9	7.3
03010104xyz	4	0.5	0.6	39.0	0.9	8.0
03010105xyz	5	0.5	0.6	39.0	0.9	8.7
03010106xyz	1	0.75	0.6	26.0	0.9	4.5
03010107xyz	2	0.75	0.6	26.0	0.9	7.3
03010108xyz	3	0.75	0.6	26.0	0.9	7.7
03010109xyz	4	0.75	0.6	26.0	0.9	8.4
03010110xyz	5	0.75	0.6	26.0	0.9	9.2
03010111xyz	1	1	0.6	19.5	0.9	4.7
03010112xyz	2	1	0.6	19.5	0.9	7.6
03010113xyz	3	1	0.6	19.5	0.9	8.1
03010114xyz	4	1	0.6	19.5	0.9	8.8
03010115xyz	5	1	0.6	19.5	1.0	9.6
03010116xyz	1	1.5	0.6	13.3	0.9	5.4
03010117xyz	2	1.5	0.6	13.3	0.9	8.9
03010118xyz	3	1.5	0.6	13.3	0.9	9.4
03010119xyz	4	1.5	0.6	13.3	1.0	10.4
03010120xyz	5	1.5	0.6	13.3	1.0	11.4
03010121xyz	1	2.5	0.70	7.98	1.0	6.2
03010122xyz	2	2.5	0.70	7.98	1.0	10.3
03010123xyz	3	2.5	0.70	7.98	1.0	10.9
03010124xyz	4	2.5	0.70	7.98	1.0	12.0
03010125xyz	5	2.5	0.70	7.98	1.0	13.2
03010126xyz	1	4	0.80	4.95	1.0	6.8
03010127xyz	2	4	0.80	4.95	1.0	11.6
03010128xyz	3	4	0.80	4.95	1.0	12.4
03010129xyz	4	4	0.80	4.95	1.0	13.6
03010130xyz	5	4	0.80	4.95	1.1	15.3
03010131xyz	1	6	0.80	3.30	1.1	7.5
03010132xyz	2	6	0.80	3.30	1.1	13.0
03010133xyz	3	6	0.80	3.30	1.2	13.8
03010134xyz	4	6	0.80	3.30	1.2	15.5
03010135xyz	1	10	1.00	1.9	1.3	9.4
03010136xyz	2	10	1.00	1.9	1.3	16.5
03010137xyz	3	10	1.00	1.9	1.4	17.7
03010138xyz	4	10	1.00	1.9	1.4	19.5
03010139xyz	1	16	1.00	1.2	1.4	10.9

Part Number	No. of Cores	Nominal Cross Sectional Area (Sq. mm)	Nominal Insulation Thickness (mm)	Max. D.C. Conductor Resistance at 20°C (Ω/km)	Nominal Thickness of Sheath	Maximum Overall Dimensions (mm)
03010140xxyz	2	16	1.00	1.21	1.4	19.4
03010141xxyz	3	16	1.00	1.21	1.4	20.6
03010142xxyz	4	16	1.00	1.21	1.4	23.0
03010143xxyz	1	25	1.20	0.780	1.4	13.6
03010144xxyz	2	25	1.20	0.780	1.4	23.8
03010145xxyz	3	25	1.20	0.780	1.5	25.6
03010146xxyz	4	25	1.20	0.780	1.6	28.5
03010147xxyz	1	35	1.20	0.554	1.6	15.5
03010148xxyz	2	35	1.20	0.554	1.6	27.2
03010149xxyz	3	35	1.20	0.554	1.6	29.3
03010150xxyz	4	35	1.20	0.554	1.7	32.7
03010151xxyz	1	50	1.40	0.386	2.0	18.1
03010152xxyz	2	50	1.40	0.386	2.0	32.0
03010153xxyz	3	50	1.40	0.386	2.0	34.6
03010154xxyz	4	50	1.40	0.386	2.0	38.6
03010155xxyz	1	70	1.40	0.272	2.2	20.8
03010156xxyz	2	70	1.40	0.272	2.2	36.8
03010157xxyz	3	70	1.40	0.272	2.2	39.6
03010158xxyz	4	70	1.40	0.272	2.2	44.3
03010159xxyz	1	95	1.60	0.206	2.4	23.6
03010160xxyz	2	95	1.60	0.206	2.4	41.8
03010161xxyz	3	95	1.60	0.206	2.4	47.0
03010162xxyz	4	95	1.60	0.206	2.4	50.2
03010163xxyz	1	120	1.60	0.161	2.5	26.0
03010164xxyz	2	120	1.60	0.161	2.5	46.2
03010165xxyz	3	120	1.60	0.161	2.5	51.0
03010166xxyz	4	120	1.60	0.161	2.5	55.7
03010167xxyz	3	150	1.80	0.129	2.6	54.8
03010168xxyz	4	150	1.80	0.129	2.6	62.1
03010169xxyz	3	185	2.00	0.106	2.8	61.2
03010170xxyz	4	185	2.00	0.106	2.8	68.5
03010171xxyz	3	240	2.20	0.0801	3.0	69.7
03010172xxyz	4	240	2.20	0.0801	3.0	77.9
03010173xxyz	3	300	2.40	0.0641	3.2	75.7
03010174xxyz	4	300	2.40	0.0641	3.2	84.4

STEEL BRAIDED YSY 1.1 KV

REACH | RoHS | CE



Application

These cables are used as power cables in building and commercial infrastructure, tool machinery, plant installation. The braided screen offers best possible protection against mechanical damage. The galvanized coating on the steel wire braiding not only helps protect against corrosion, but also notably improves the soldering performance. The transparent sheath gives the cable in addition an optical reevaluation.

Standard

The cables are provided with enhanced insulation thickness meeting 1.1kV rating.

Technical Data

Temperature Range : Flexing -5°C to +70°C. Fixed installation -15°C to +70°C

Nominal Voltage : 1100V

Test Voltage : 4000V

Breakdown Voltage : Min. 8000V

Insulation Resistance : Min. 20 GΩ x cm

Minimum Bending Radius : Flexing 20 x cable ø. Fixed installation 6 x cable ø

Cable Construction

Electrolytic grade bare copper, fine wire conductors to IS 8130, Class 5.

Core insulation of PVC A, IS 5831.

Cores stranded with optimal lay-length.

Special PVC inner jacket.

Galvanised steel wire braid screen.

Special transparent PVC outer jacket (Also available in Grey)

Core Colour Identification:

No. of Cores	Colour Codes
2	RD/BK
3	RD/BK/GNYE
3a	RD/YL/BL
4	RD/YL/BL/GNYE
4a	RD/YL/BL/Bk
5	RD/YL/BL/BK/GY

Properties

PVC self-extinguishing and flame retardant according to IEC 60332-1-2.

Cable Design Parameters

Kindly complete the part numbers for these cables by adding the suffix as below :

For the core identification (in place of xx) :

01 - With green/yellow earth core.

02 - Without green/yellow earth core.

For Jacket Colour (in place of z) : 3 - grey (RAL 7001), 6 - transparent.

Part Number	No. of Cores & Nominal Cross Sectional Area (Sq. mm)	Approx. Cable Diameter (mm)	Approx. Copper Weight (kg/km)	Approx. Copper Weight (kg/km)
01200101xx1z	2 x 1	9.5	18.3	162.9
01200102xx1z	3 x 1	9.9	27.4	183.7
01200103xx1z	4 x 1	10.5	36.5	212.8
01200104xx1z	5 x 1	11.5	45.6	251.6
01200105xx1z	2 x 1.5	10.0	26.7	187.9
01200106xx1z	3 x 1.5	10.5	40.1	213.7
01200107xx1z	4 x 1.5	11.4	53.5	256.3
01200108xx1z	5 x 1.5	12.2	66.9	296.8
01200109xx1z	2 x 2.5	11.5	44.6	252.6
01200110xx1z	3 x 2.5	12.0	66.9	292.1
01200111xx1z	4 x 2.5	12.9	89.2	347.2
01200112xx1z	5 x 2.5	13.9	111.4	407.8
01200113xx1z	2 x 4	12.9	71.9	334.0
01200114xx1z	3 x 4	13.6	107.8	392.3
01200115xx1z	4 x 4	14.6	143.8	470.9
01200116xx1z	5 x 4	16.0	179.7	567.3
01200117xx1z	2 x 6	14.2	107.8	420.7
01200118xx1z	3 x 6	15.1	161.8	510.7
01200119xx1z	4 x 6	16.3	215.7	619.4
01200120xx1z	2 x 10	17.2	179.7	627.9
01200121xx1z	3 x 10	18.3	269.6	769.9
01200122xx1z	4 x 10	19.9	359.5	940.9
01200123xx1z	2 x 16	19.7	287.6	862.2
01200124xx1z	3 x 16	20.8	431.4	1059.4
01200125xx1z	4 x 16	22.7	575.2	1311.0
01200126xx1z	2 x 25	23.0	447.4	1218.8
01200127xx1z	3 x 25	24.6	671	1531.3
01200128xx1z	4 x 25	27.1	894.7	1923.2
01200129xx1z	2 x 35	25.7	629.9	1585.0
01200130xx1z	3 x 35	27.3	944.9	1990.7
01200131xx1z	2 x 35	30.1	1259.9	2513.2
01200132xx1z	2 x 50	30.3	903.8	2211.6
01200133xx1z	3 x 50	32.2	1355.8	2789.8
01200134xx1z	4 x 50	35.2	1807.7	3502.1
01200135xx1z	2 x 70	34.1	1283.9	2923.8
01200136xx1z	3 x 70	36.2	1925.8	3721.4
01200137xx1z	4 x 70	39.7	2567.7	4695.7

Part Number	No. of Cores & Nominal Cross Sectional Area (Sq. mm)	Approx. Cable Diameter (mm)	Approx. Copper Weight (kg/km)	Approx. Copper Weight (kg/km)
01200138xx1z	2 x 95	38.5	1711.8	3795.5
01200139xx1z	3 x 95	41.0	2567.7	4853.0
01200140xx1z	4 x 95	45.1	3423.6	6138.5
01200141xx1z	2 x 120	41.8	2168.3	4603.2
01200142xx1z	3 x 120	44.5	3252.5	5920.2
01200143xx1z	4 x 120	49.0	4336.6	7513.4
01200144xx1z	2 x 150	45.9	2674.7	5591.7
01200145xx1z	3 x 150	48.9	4012.1	7211.7
01200146xx1z	4 x 150	53.9	5349.4	9166.2
01200147xx1z	2 x 185	50.6	3320.2	6848.6
01200148xx1z	3 x 185	53.9	4980.3	8849.2
01200149xx1z	4 x 185	59.5	6640.4	11267.5
01200150xx1z	2 x 240	56.4	4279.6	8639.7
01200151xx1z	3 x 240	60.2	6419.3	11207.5
01200152xx1z	3 x 240	66.4	8559.1	14288.1

We also offer this cable with all black numbered cores with or without green/yellow earth core, on request.

RR KABEL - PRODUCT BASKET

CONSTRUCTION AND BUILDING RANGE

SUPEREX FR
UNILAY HR FR
FIREX LS0H- EBXL
RATNA CO-X
RATNACOM
RATNALAN CAT 5e/6
CCTV CAMERA CABLE
SPEAKER CABLE
BUS J-Y(St)Yh 2 x 2 x 0.8
HALOGEN-FREE H07Z-R-6491B
PVC INSULATED BUILDING WIRE (H07V-R)-6491X
6181Y - BS 6004
6181XY - BS 7889
PVC/PVC TWIN CORE FLAT CABLE (IS 694)
PVC/PVC 3 CORE SUBMERSIBLE FLAT CABLE
XLPE/PVC 3 CORE SUBMERSIBLE FLAT CABLE
STEEL BRAIDED YSY 1.1 kV

SINGLE CORE

LS0H-FR (IS 17048)
FR-LSH FLEXIBLE SINGLE CORE CABLE
FR HSF
H05V-K & H07V-K
H05V2-K & H07V2-K
H05Z-K & H07Z-K
H05Z1-K & H07Z1-K
BS 6231 CK 90°C

CONTROL CABLES

RATNAFLEX MULTICORE (IS 694)
CONTROL CABLE (IS 694)
H03/H05VVH2-F & H03/H05VV-F
JB-750
H03 / H05V2V2H2-F & H03 / H05V2V2-F
JB-YCY
JB-YSY
JB-BLACK 0.6/1 kV
JZ-500
JZ-YCY
JZ-YSY
JZ-CY
JZ-BLACK 0.6/1 kV
JZ-YCY BLACK 0.6/1 kV
OZ-EB

OZ-EB CY
JB-H
JZ-H
JZ-HCH

DRAG CHAIN AND SERVO CABLES

JZ-30400 P
JZ-35400 CP
JZ-40415 CP
JZ-45440 P
JZ-50440 CP
SERVO 55700
SERVO 60700 CY
2YSLCY-JB-SERVO
SERVO FD 70750 P
SERVO FD 75781-CY
SERVO FD 80785 P
SERVO FD 85810
SERVO FD 90810 CY
SERVO FD 95810 P
SERVO FD 30810 CP
SERVO FD 05855 P
SERVO FD 10855 CP

DATA & COMMUNICATION CABLES

LiYY
LiYY (TP)
LiYCY
LiYCY (TP)
Li2Y(St)CY (TP)
Li2YCY PiMF
PROcess Field BUS

APPLIANCE WIRING MATERIAL

TRI RATED CABLE
UL 1015
UL 1007
UL 1569
UL 1275
UL 2587
UL 2464
UL 2576, 2598
UL 3289/3321/3173/3271/3344 XLPE CABLE
UL 2586

INSTRUMENTATION CABLES

RE-Y(St)Y - SINGLE & MULTI-PAIR
RE-Y(St)Y PiMF - MULTI-PAIR
RE-2X(St)Y - SINGLE & MULTI-PAIR
RE-2X(St)Y PiMF - MULTI-PAIR
RE-Y(St)YSWAY - SINGLE & MULTI-PAIR
RE-Y(St)YSWAY PiMF - MULTI-PAIR
RE-2X(St)YSWAY - SINGLE & MULTI-PAIR
RE-2X(St)YSWAY PiMF - MULTI-PAIR
RE-Y(St)Y - MULTICORE
RE-2X(St)Y - MULTICORE
RE-Y(St)YSWAY - MULTICORE
RE-2X(St)YSWAY - MULTICORE

SILICON CABLES

SiF/SiFF
SiHF
SiHF-GLS
SiF-GL, SiD, SiD-GL

AUTO CABLES

SXL
GXL
TXL
AV
AVS
AVSS
FLY
FLYW
FLYK
FLRYK
FLRY A
FLRY B
FLUY
FLRYW
FL11Y
FLYY
FLR13Y
FLRY n x (TWISTED CABLES)
ACW
THIN WALL MULTICORE CABLES
TINNED COPPER CABLES
PVC BATTERY CABLES
ELASTOMERIC BATTERY CABLES
COPPER EARTHING BRAIDS
PVC IGNITION CABLES

FIRE AND SECURITY CABLES

FIRE ALARM CABLES

FIRE SURVIVAL CABLE - IS 17505-1
FIRE SURVIVAL CABLE - BS 7846
SINGLE CORE FIRE RESISTANT

LOW TENSION POWER CABLE

AYY/YY-1 CORE
AYY/YY-2 CORE
AYY/YY-3 CORE
AYY/YY-3.5 CORE
AYY/YY-4 CORE
AYFaY/YFaY-AYWaY/YWaY
AYFaY/YFaY-AYWaY/YWaY-2 CORE
AYFaY/YFaY-AYWaY/YWaY-3 CORE
AYFaY/YFaY-AYWaY/YWaY-3.5 CORE
AYFaY/YFaY-AYWaY/YWaY-4 CORE
YY/YFY/YWY-1.5 Sq. mm
YY/YFY/YWY-2.5 Sq. mm
A2XY/2XY-1 CORE
A2XY/2XY-2 CORE
A2XY/2XY-3 CORE
A2XY/2XY-3.5 CORE
A2XY/2XY-4 CORE
A2XFaY/2XFaY-A2XWaY/2XWaY
A2XFY/2XFY-A2XWY/2XWY-2 CORE
A2XFY/2XFY-A2XWY/2XWY-3 CORE
A2XFY/2XFY-A2XWY/2XWY-3.5 CORE
A2XFY/2XFY-A2XWY/2XWY-4 CORE
2XY/2XFY/2XWY-1.5 Sq. mm
2XY/2XFY/2XWY-2.5 Sq. mm
NYY
POWER CABLE-BS 5467
EXVB
EAXVB

HIGH TENSION POWER CABLE

1 CORE
3 CORE

APPLICATION BASED CABLES

SOLAR CABLE - EN 50618
SOLAR CABLE - IS 17293
POWER CORDS & HARNESS
UNINYVIN CABLE
WELDEX-IS 9857
WELDEX-SI (SINGLE INSULATED)
WELDEX-DI (DOUBLE INSULATED)
ELEVATOR CABLE
BRAIDED STRAP-ABC/ATC
TUBULAR BRAIDS
BARE COPPER CONDUCTOR



WORLD OF EXCELLENCE



As a USD 1.25+ billion conglomerate, we are one of the largest, diversified & most prominent brands in the Indian electrical industry, with a noteworthy presence in over 90+ countries across the world. We offer a multi faceted range of quality products through our 10 successfully operating companies, 43 marketing offices and 15 manufacturing facilities.

At RR Global, we continue to innovate to ensure only the finest products reach our customers.



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The technical data mentioned in the book has been derived to have the best product in place. Having known that innovation has always been the base for R R Kabel products, the technical data would vary from time to time. Hence, current details should always be checked with R R Kabel for accuracy.

REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals

RoHS = Restriction of Hazardous Substances | **CE** = Conformance Européenne

ISI = Indian Standard Institution