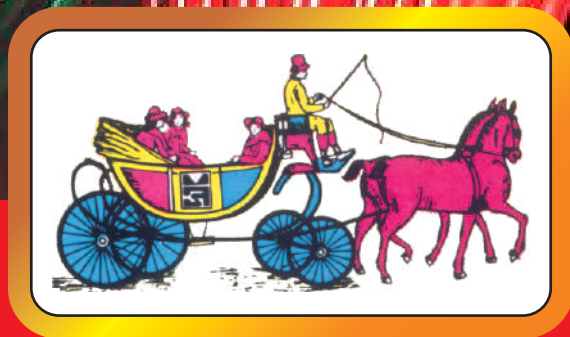


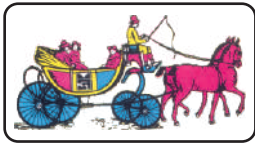


VICTORIA[®]

P.V.C. Wires & Cables

P.V.C. Conduit Pipe & Casing





VICTORIA®

P.V.C. Wires & Cables

P.V.C. Conduit Pipe & Casing

ABOUT US

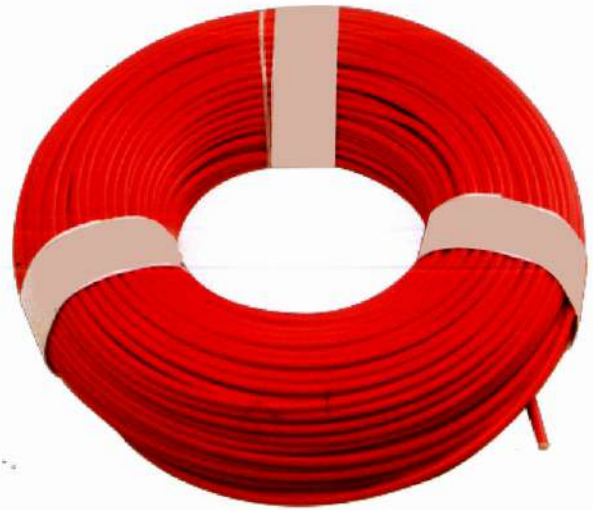
Established In 1990, **VICTORIA** Is a Manufacturer of Electrical Wires & Cables And PVC Conduit Pipe & Casing . The Company Started Its Operation With The Manufacturing of PVC Insulated Wires and Cables. Later on, The Company Endeavored to Intensify Its Product Range And Came Up With PVC Conduit Pipe & Casing . The Company Owns Two Other Brands By The Name of **PEE ESS** And **SAKET**. The Name of **VICTORIA** Is Synonymous With Term Victory And Also Our Symbol Of Chariot With Horses Elevating Ahead Personifies The Company's Aim of Being Victorious In The Market By Catering To The Needs of People And Providing Best Quality Products.



Single Core - FR

Flame Retardant (FR) PVC Insulated
Copper Conductor (Unsheathed) Cables

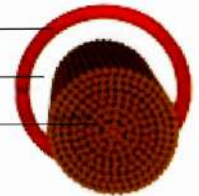
VICTORIA provides flame retardant wires for Indian homes, covering each and every application. Wires are manufactured using 99.97% pure electrolytic grade, bright annealed bare copper, with 102% conductivity. The bunched conductors are insulated with specially formulated FR PVC compound with high insulation resistance value. Flame retardant properties enable the cable to withstand overload. The insulation is resistant to boiling water, heat, oil and UV light.



Approval: IS 694:2010 marked
Conductor: Plain annealed as per IS: 8130-2013
Insulation: IS: 5831, FR with RoHS, Anti Rodent , Anti Termite
Marking: Cables are printed with marking of **VICTORIA** (Size Sq.mm) 1100V
Colours: Red, Yellow, Blue, Green, Black running along the cable length (Other colours as per prior request)
Packing: 90 mtrs in protected cartons.
Project packing of 180 mtrs in poly pack.

As Per IS 694:2010
Voltage Grade Upto 1100V

Skin Colour PVC
Natural PVC
Multistrand Flexible
Copper Conductor



Nominal Cross Section Area	Number Nominal Dia. of Strands	Insulation Thickness (Nominal)	Approx. Overall Diameter	Current Carrying Capacity 2 Cables Single Phase		Max. Resistance of Conductor at 20°C
				Conduit/ Trunking	Unenclosed Clipped Directly to a Surface or on Cable Trays	
Sq mm	Mm	Mm	mm	Amp	Amp	Ohm/km
0.5	16/0.20	0.6	2.2	4	5	39.0
0.75	24 / 0.20	0.6	2.4	7	8	26.0
1*	14/0.30	0.7	2.7	12	13	18.1
1.5*	22/0.30	0.7	3.0	14	17	12.1
2.5*	36/0.30	0.8	3.7	19	24	7.41
1	32/0.20	0.6	2.6	12	13	19.5
1.5	30/0.25	0.6	2.8	14	17	13.3
2.5	48/0.25	0.7	3.5	19	24	7.98
4	56/0.30	0.8	4.1	25	29	4.95
6	84/0.30	0.8	4.7	32	37	3.3
10	140/0.30	1.0	6.2	43	51	1.91
16	126/0.40	1.0	7.2	58	68	1.21

* Conductor shall be Class-II for 1.0, 1.5 & 2.5 Sq.mm & for other size shall be Class-5

Limited Oxygen Index IS 10810 (Part 58) >29%
Limited Temp. Index IS 10810 (Part 64) >250OC

Multi Core

Light Duty Sheathed Copper Conductor Flexible Cables

VICTORIA -core cables are manufactured with premium quality and highly flexible copper conductor, Class 5 of IS 8130, suitable for both, industrial and domestic applications. The sheathing material is used to protect the insulated cores from mechanical damage. The sheathing compound is again specially formulated PVC compound which combines greater flexibility with superior mechanical strength to withstand rigorous use involving impact and abrasion; yet it is easily separable from cores and special properties like resistance to weathering, fungi, bacteria and termite can be provided for specific conditions and circumstances of use. It is a special grade PVC for high temperature insulation and low power consumption.

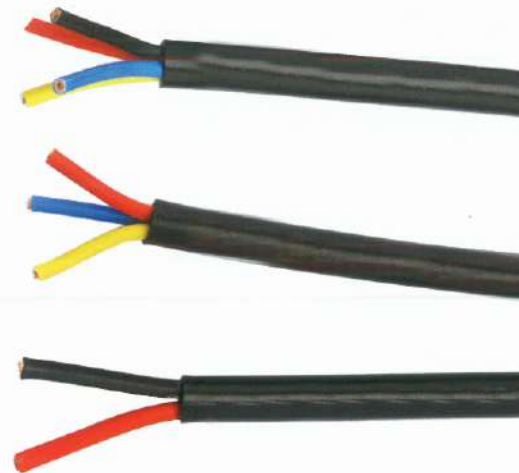
Approval: IS 694:2010 marked

Conductor: As per Class-5, IS 8130:2013

Insulation: IS 5831, Type D

Marking: Cables are printed with marking of **VICTORIA**
(Core) (Size Sq.mm) 1100 V

Colours: 2 Core Red & Black
3 Core: Red, Yellow & Blue
4 Core: Red, Yellow, Blue & Black color PVC ST3 sheath



As Per IS 694:2010
Voltage Grade Upto 1100V



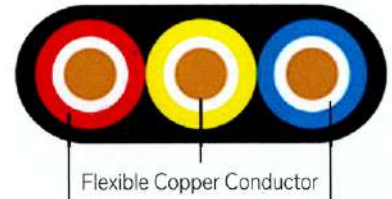
Nom Cross Sectional Area of Conductor	No. / Nom Dia of cond, strands	Thickness of PVC Insulation (Nominal)	Thickness of Sheath (Nominal)			Overall Diameter (Approx.)			Current Rating AC	Voltage drop/ Amp/ Meter		Max. Resistance of Conductor at 20°C
			2 Core	3 Core	4 Core	2 Core	3 Core	4 Core				
Sq mm	Mm	Mm	Mm	Mm	Mm	Mm	Mm	Mm	Amp	mV	mV	Ohm/km
0.5	16/0.20	0.6	0.9	0.9	0.9	6.5	6.8	7.3	5	83	72	39.0
0.75	24 / 0.20	0.6	0.9	0.9	0.9	6.8	7.2	7.7	8	56	48	26.0
1	32/0.20	0.6	0.9	0.9	0.9	7.1	7.6	8.3	13	43	38	19.5
1.5	30/0.25	0.6	0.9	0.9	1.0	7.8	8.3	9.2	16	29	25	13.3
2.5	48/0.25	0.7	1.0	1.0	1.0	9.5	10.1	10.7	20	18	16	7.98
4	56/0.30	0.8	1.0	1.0	1.0	11	11.4	12.3	27	12	9.6	4.95
6	84/0.30	0.8	1.1	1.2	1.2	12.6	13	14.2	34	7.4	6.3	3.3
10	140/0.30	1.0	1.3	1.4	1.4	14.8	16	18	45	4.3	3.8	1.91
16	126/0.40	1.0	1.4	1.4	1.4	17.2	18.3	20.3	61	2.7	2.3	1.21

Flat Three Core - PVC

PVC Insulated and Sheathed for Submersible Pump

VICTORIA Flat cables are manufactured from bright electrolytic grade copper, ideal for submersible pump motors. The wires are drawn, annealed and bunched properly to ensure flexibility and uniform resistance. Our cables are ISI marked. The outer sheath of the cable is made from special grade of abrasion resistant PVC compound to provide higher electrical safety from water, grease and oil, and for a longer cable life.

As Per IS 694:2010

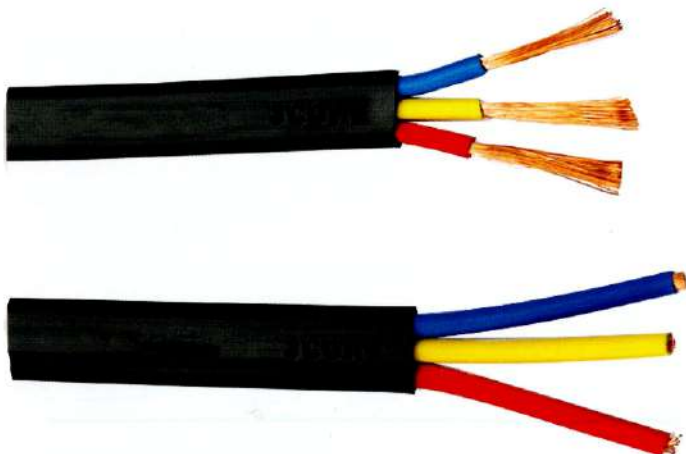


PVC Insulations of Cores (Red, Yellow, Blue) PVC Sheath (Black)

- Approval: IS 694:2010 marked
- Conductor: As per Class 5 (IS: 8130 2013)
- Insulation: IS: 5831, Type A+ PVC, HR PVC
- Marking: Cables are printed with marking of **VICTORIA** (Core) (Size Sq.mm) 1100 V
- Colours: Red, Yellow, Blue with Black color PVC sheath
- Packing: 500m / 1000 m length drums

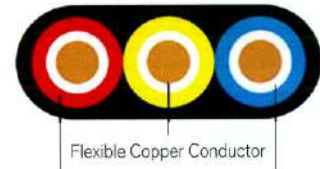
Nom Cross Sectional Area of Conductor	Nos. & Diameter of Wire	Nominal Thickness of Insulation	Nominal Thickness of Sheath	Approx Overall Dimensions Width x Height	Current Rating	Max DC Resistance at 20°C	Water Permeability / Penetration
Sq.mm	Nos./ mm	mm	mm	mm	amp	ohm/km	
1.5	30/0.25	0.60	0.90	10.7x 5.3	16	13.3	ALMOST NIL
2.5	48/0.25	0.70	1.0	13.3 x 6.2	20	7.98	
4	56/0.30	0.85	1.0	15.3 x 7.1	27	4.95	
6	84/0.30	0.85	1.1	19.2 x 8.4	34	3.30	
10	140/0.30	1.05	1.4	24.2 x 10.4	44	1.91	
16	126/0.40	1.05	1.4	29.0 x 12.4	61	1.21	

* Conductor shall be Class-II for 1.0, 1.5 & 2.5 Sq.mm & for other size shall be Class-5



Flat Three Core - XLPE

XLPE Insulated and PVC Sheathed Flexible Cable for Submersible Pump



Flexible Copper Conductor
XLPE Insulations of Cores (Red, Yellow, Blue) PVC Sheath (Black)

VICTORIA Flat cables are manufactured from bright electrolytic grade copper, the wires are drawn from drawing process, annealed and bunched properly to ensure flexibility and uniform resistance. Polyethene base material cross-link with catalyst, thus improving the current carrying capacity and mechanical strength of insulation. The outer sheath of the cable is made from a special grade of abrasion resistant PVC ST2 compound to provide higher electrical safety from water, grease and oil, and for a longer cable life.

SPECIAL ASPECTS:

- Higher Current Rating
- Higher Short Circuit Rating
- Longer Service Life
- Due to the chemical cross-linking internal stresses are reduced
- The excellent mechanical features of the insulation improve the protection against external effects

FLAT THREE CORE 1100V XLPE Insulated and ST2 PVC Sheathed Flexible Cable for Submersible Pump / Motor

Conductor:	As per Class 5 (IS: 8130 2013)
Insulation:	XLPE (Cross-Linked Poly Ethylene)
Sheathing:	ST2 PVC
Marking:	Cables are printed with marking of VICTORIA – (Core) (Size Sq.mm) 1100 V
Colours:	Red, Yellow, Blue with a Black colour ST2 PVC sheath
Packing:	500 / 1000 mtrs length in Wooden Drum.

Nom Cross Sectional Area of Conductor	Nos. & Diameter of Wire	Nominal Thickness of Insulation	Nominal Thickness of Sheath	Approx Overall Dimensions Width x Height	Current Rating	Max DC Resistance at 20°C	Water Permeability / Penetration
Sq.mm	Nos./ mm	mm	mm	mm	amp	ohm/km	
1.5	30/0.25	0.70	1.0	11.2 x 5.1	25	13.3	ALMOST NIL
2.5	48/0.25	0.80	1.1	13.3 x 5.9	30	7.98	
4	56/0.30	0.85	1.2	15.3 x 6.7	44	4.95	
6	84/0.30	0.85	1.2	17.4 x 7.4	55	3.30	
10	140/0.30	1.05	1.3	21.5 x 8.9	74	1.91	
16	126/0.40	1.05	1.4	25.0 x 10.2	94	1.21	

For all size shall be Class-5

Electrical Insulation Tape



Particulars	Specified Values
Nominal Thickness	0.125 + 0.025 mm
Tensile Strength	150 N
Adhesion to steel	1.6 N/10mm width (Min)
Adhesion to grip	1.3 N/10mm width (Min)
Electric Strength at RT	40kV/mm
Electric Strength after 24hrs humidification at 27°C	35kV/mm
Insulation Resistance	1 X 10 ⁵ M-ohm

SPECIAL ASPECTS :

- Uniform thickness and width
- Controlled primer coating
- Proprietary formulation of rubber-based adhesive
- The non-migratory, non-oozing adhesive that prevents telescoping
- High stability and ageing characteristics
- Water and weather resistant, also resistant to acids, alkalis, oils, greases and gasoline
- Withstand an AC breakdown voltage of above 6500V
- Excellent moisture and corrosion resistance
- Withstand short circuits/leakage currents
- Superior mechanical support at high operating temperature (up to 100°C)

AVAILABLE COLOURS



Aluminium Flat Twin Core

1100V Solid/Stranded Circular Aluminum Conductor, PVC Insulated And Sheathed Cable

VICTORIA Twin core Flat cables are manufactured from bright electrolytic grade aluminium, ideal for mainline to house, building and complex.

The aluminium wires are drawn, annealed and circular compact conductor and uniform resistance. Our cables are ISI marked. The outer sheath of the cable is made from a special grade of UV resistant PVC compound which will withstand adverse weather conditions to provide higher electrical safety and lesser sag for a longer life. Suitable for operation up to and including 1100 volts.

Range

1.5 Sq. mm. to 25 Sq. mm., Twin Core Flat

General Construction

Conductor: Highly Tensile H2 grade Solid/ Stranded Aluminum conductor as per Class 1 & 2 of IS:8130:2013 respectively

Insulation: PVC Type A as per IS:5831:2013, cores laid side by side

Outer Sheath: ST1 PVC as per IS:5831:2013

Standard Packing

Attractive Coil Packing of 100 M / 300M / 500M length

Approval: IS 694:2010 marked

Conductor: As per Class I & II (IS: 8130:2013)

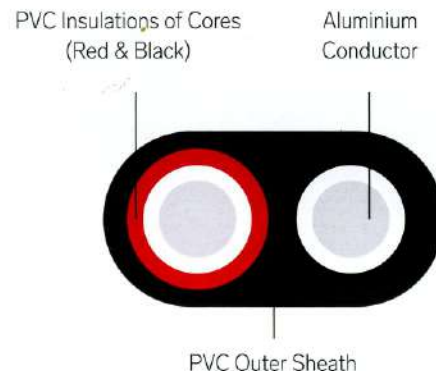
Insulation: IS: 5831, Type A+ PVC

Sheathing: ST1 PVC

Marking: **VICTORIA**
(Size Sq.mm) 1100 V WPTC

Colours: Red & Black with a
Black colour PVC sheath

As Per IS 694:2010



Co-Axial Cable - RG6

Advanced FEP Foam Technology

VICTORIA Co-Axial Cables used for cable TV networks designed for un-interrupted signal performance (in all weather conditions) by introducing the Advanced FEP Foam technology.

SPECIAL ASPECTS:

- Advanced FEP Foam technology to improve signal strength in all weather conditions
- Due to skin effect, coaxial cables are used in high-frequency applications
- The cost of coaxial cable is less
- The outer conductor in coaxial cable is used to improve attenuation and shield effectiveness
- Less susceptible to noise or interference (EMI or RFI)
- Supports high bandwidth signal transmission compared to twisted pair
- Easy to wire and easy to expand due to flexibility
- Allows high transfer rates
- Testing of each Bobbin / Coil for Attenuation, Impedance & SRL up to 3GHz



TECHNICAL DATA SHEET

75-ohm Flexible RG6 Coax Cable Double shielded with Black PVC Outer Sheath

CONFIGURATION

Inner Conductor Material: Electrolytic grade (99.97% pure copper) Annealed Bare Solid Conductor

Nominal Diameter of copper: 1.02 mm

Dielectric: Advanced FEP Foam

Nominal Diameter of Outer (mm): 4.57

First Shield: Bonded Poly Al Tape

Second Shield: Alu Braid

Min Coverage(%): > 60

Flooding Compound: Jelly

Outer Sheath: UV Resistant PVC, Black

Nominal Diameter (mm): 7.0

Min Bending Radius of cable (mm): 70

Printing: SUDHAKAR 75 OHM RG 6

ELECTRICAL

Max Resistance of Solid Copper (Ohm/100m) at 20°C: 2.13

Nominal Capacitance (pf/m): 54

Nominal Impedance (Ohm): 75

Velocity of Propagation (%): 85

Max Operating Frequency (GHz): 1

FREQUENCY MHZ

50, 90, 175, 210, 340, 400, 450, 500, 600, 700, 800, 900, 1000

MAX ATTENUATION AT 20°C (db/100M)

5.2, 6.3, 8.4, 9.5, 12.0, 13.2, 14.35, 14.85, 16.45, 17.12, 18.45, 20.55, 21.4,



CCTV Cables (3+1, 4+1)

VICTORIA 3+1 CCTV Cables and 4+1 CCTV Cables are designed to high definition technology of video signals, which are transmitted through the Coaxial cable in the CCTV.

75 ohm Coaxial cable consists of electrolytic grade solid annealed bare copper conductor which is insulated with "Advanced FEP (Fluorinated Ethylene Propylene) Foam technology for improving the dielectric and lower attenuation, the First shield conductor is made of a specially designed poly-aluminium tape, bonded on the FEP foam. The tape is applied with sufficient overlap longitudinally over the foam dielectric, jelly flooded. aluminium alloy wire braiding with more than 65% coverage, high temperature withstands sheathed with UV resistant property.



TECHNICAL SPECIFICATIONS		
CO-AXIAL CABLE		
PARTICULAR	3+1 CCTV	4+1 CCTV
CONDUCTOR		
Material	Annealed Bare Copper	Annealed Bare Copper
No. of Wire/Dia. of wire	0.80 + 0.002	0.80 + 0.002
INSULATION		
Material	Gas Injected Polythylene	Gas Injected Polythylene
Thickness of Insulation (Nom.)	1.30mm	1.30mm
Dia of Insulation	3.50 + 0.20	3.50 + 0.20
OVERALL SHIELDED (BRAIDED)		
Material	Al. Foil - 100%	Al. Foil - 100%
Material	Alum. Alloy	Alum. Alloy
Coverage	55%	55%
FLOODING COMPOUND		
	Petroleum Jelly	Petroleum Jelly
OUTER SHEATH		
PARTICULAR	3+1 CCTV	4+1 CCTV
Material	PVC	PVC
Dia. of Sheath	5.50mm + 0.20mm	5.50mm + 0.20mm
CONDUCTOR		
Material	Annealed Tinned Copper	Annealed Tinned Copper
No. of Wire/Dia. of Wire	14/0.13 + 0.002	14/0.13 + 0.002
INSULATION		
Material	PVC - Type - A	PVC - Type - A
Thickness of Insulation (Nom.)	0.3	0.3
Dia of Insulation	1.40mm	1.40mm
FINAL CABLE		
PARTICULAR	3+1 CCTV	4+1 CCTV
BARRIER TAPE		
Thickness of Tape	25 Micron	25 Micron
Coverage	100%	100%
OUTER SHEATH		
Material	PVC - ST - 1	PVC - ST - 1
Thickness of Sheath (Nom.)	0.90mm	0.90mm