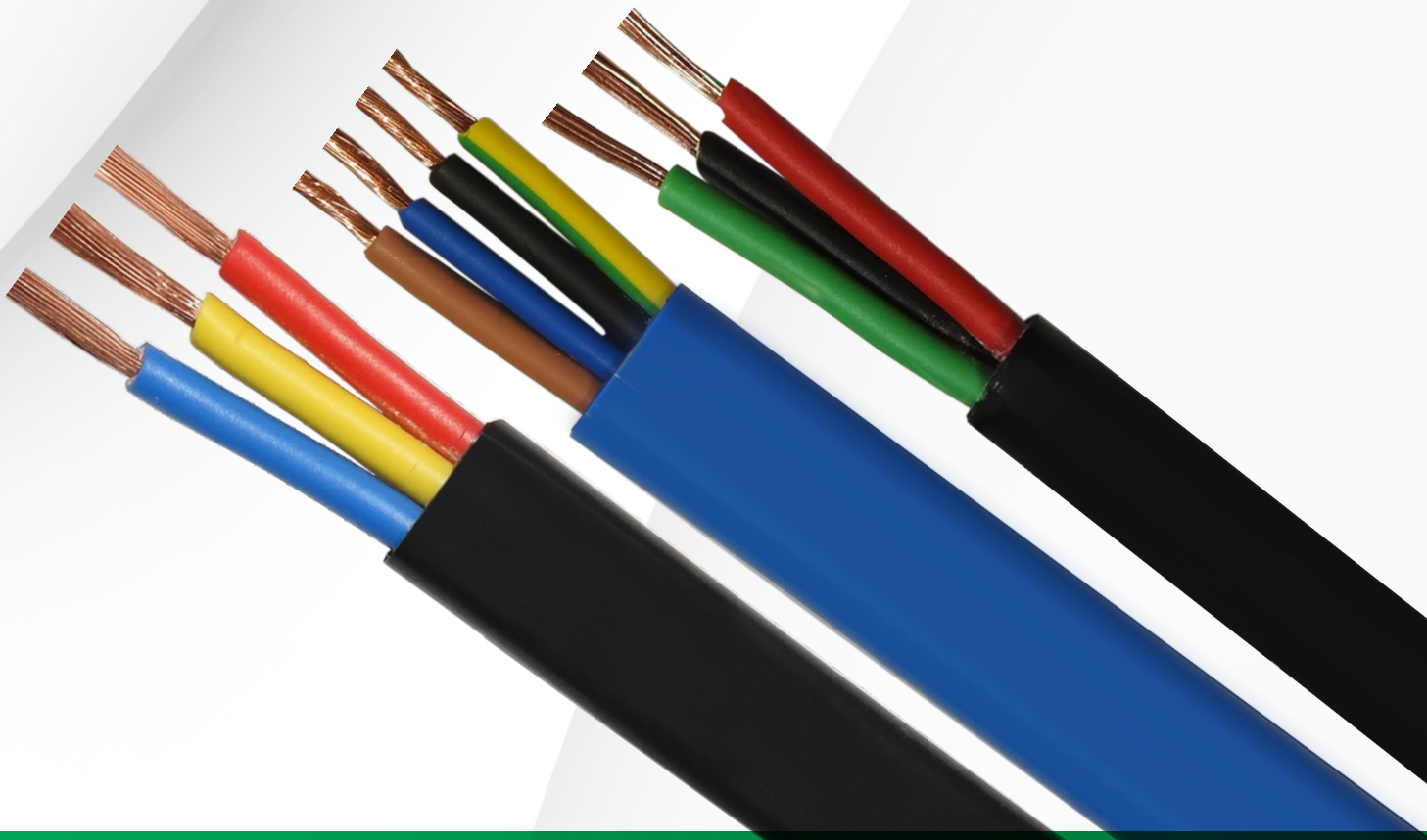




 **BEDIYA**  
WIRES & CABLES

**LIGHTS FOR LIFE**



**SUBMERSIBLE CABLES**

[www.bediyaaglobal.com](http://www.bediyaaglobal.com)



## ROBUST – RICH – RELIABLE

Imagine life without cables.... Impossible! Even in imagination. The reality is, cables are an integral and inseparable constituent of human life. Think of lights, machines, production activities, water needs, household devices etc all needs cables. Cables have been a core necessity for life in the present world. We live in the eco system in which lives are connected with cables and therefore it is very important to have highest quality for safer living and highest efficiency cables for smarter living, which adds our role to be a part in building green environment.

In this view, we have stepped in with enhanced cable quality with its design and ultra modern manufacturing capacities. Not only better but the best is what we offer to our esteemed customers at **BEDIYA WIRES AND CABLES (MAURITIUS) LIMITED**, throughout the wide range of products we manufacture.

**ROBUST** is the design of our cables that ensure the long life, utmost safety and unrelenting service of flowing the electrical energy through it.

**RICH** are our raw materials, which make the core of BEDIYA WIRES AND CABLES starting from the conductors, insulations and packing all are made up of rich quality genuine base material.

**RELIABLE** is the only character we display at BEDIYA WIRE AND CABLES, in the minds of our customers. We have become trust worthy and reliable partner in each of our customer's life.

BEDIYA WIRES AND CABLES – for Safety, Efficiency and Long Life, we recommend you to **USE IT, FEEL IT AND LIVE WITH IT.**



**ALL THE CABLES WE PRODUCE  
ARE LEAD FREE ( NON – TOXIC )  
THEREFORE ADDING A STEP TO  
GENERATE GREEN ENERGY WITH  
HIGHEST EFFICIENCY TO  
SAVE THE WORLD.**

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## 3 CORE FLAT SUBMERSIBLE CABLE

**APPLICATION :** Ideal for Irrigation pumps, Drinking water supply pumps, Offshore drilling rigs, Firefighting equipments, Sewage treatment plants, Sea water handling equipments, etc.

**CONDUCTOR :** Thin strands of electrolytic copper having highest purity, least resistance are multi drawn for uniformity in dimension and flexibility.

**INSULATION :** The conductors are insulated with specially formulated super flexible PVC compound having high insulation resistance values.

**SHEATHING :** 3 cores are in parallel position and sheathed with high abrasion resistant PVC compound impervious to grease, oil, water, etc.

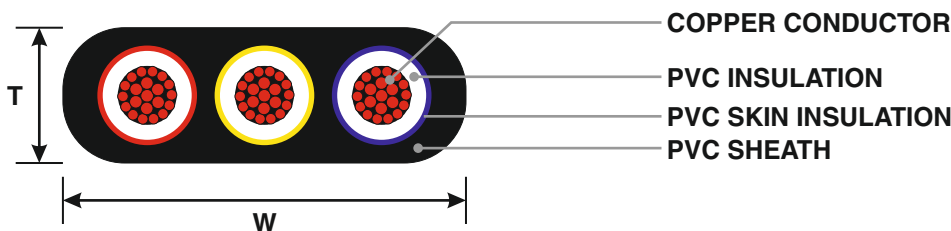
**BENEFITS :** Tough and flexible cable provides safety, Excellent moisture & weather resistance, Best quality of electrolytic grade copper saves power, High abrasion resistance, Wide temperature range : -15°C to 70°C.

**MARKING :** The cables are marked as 'BEDIYA'.

### SIZES, DIMENSIONS AND RATINGS

Conductor		PVC Insulation		PVC Sheath			Conductor Resistance at 20°C (max)	Current Rating at 40°C
Nominal Area	Number & Nominal Dia. of Strands	Nominal Thickness	Nominal Core Diameter	Nominal Thickness	Approx Over All Dimension			
					Thickness (T)	Width (W)		
Sq. mm	Nos. / mm	mm	mm	mm	mm	mm	Ω/km	Amps.
1.5	22 / 0.30	0.8	3.25	1.15	6.0	12.8	12.1	16
2.5	36 / 0.30	0.9	3.84	1.15	6.4	14.6	7.41	22
4	56 / 0.30	1.0	4.5	1.15	7.4	16.8	4.95	29
6	84 / 0.30	1.0	5.3	1.15	7.9	18.7	3.30	37
10	14 / 0.30	1.0	6.5	1.4	9.9	23.7	1.91	51
16	224 / 0.30	1.0	8.0	1.4	11.4	28.0	1.21	68
25	350 / 0.30	1.2	10.1	2.0	14.7	35.5	0.780	86
35	490 / 0.30	1.2	11.5	2.0	16.2	39.5	0.554	110
50	703 / 0.30	1.4	13.6	2.2	18.3	45.5	0.386	125

- The number of wires is approximate and wire diameter is nominal; they shall be such as to satisfy the requirements of conductor resistance as per Class 5 of IEC 60228 / DIN VDE 0295 / IS 8130 / BS 6360





## 4 CORE FLAT SUBMERSIBLE CABLE

**APPLICATION :** Ideal for Irrigation pumps, Drinking water supply pumps, Offshore drilling rigs, Firefighting equipments, Sewage treatment plants, Sea water handling equipments, etc.

**CONDUCTOR :** Thin strands of electrolytic copper having highest purity, least resistance are multi drawn for uniformity in dimension and flexibility.

**INSULATION :** The conductors are insulated with specially formulated super flexible PVC compound having high water resistance values.

**SHEATHING :** 4 cores are in parallel position and sheathed with high abrasion resistant PVC compound impervious to grease, oil, water, etc.

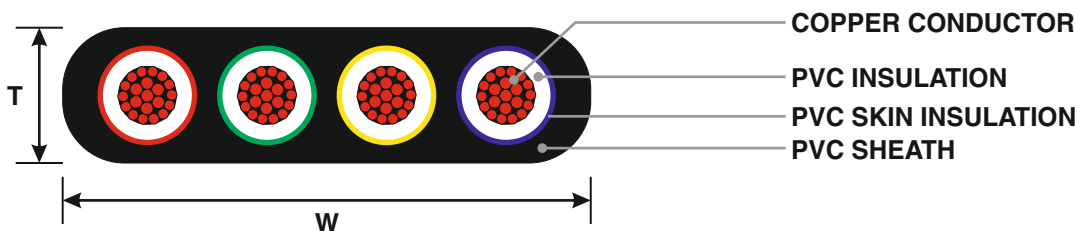
**BENEFITS :** Tough and flexible cable provides safety, Excellent moisture & weather resistance, Best quality of electrolytic grade copper saves power, High abrasion resistance, Wide temperature range : -15°C to 70°C.

**MARKING :** The cables are marked as 'BEDIYA'.

### SIZES, DIMENSIONS AND RATINGS

Conductor		PVC Insulation		PVC Sheath			Conductor Resistance at 20°C (max)	Current Rating at 40°C
Nominal Area	Number & Nominal Dia. of Strands	Nominal Thickness	Nominal Core Diameter	Nominal Thickness	Approx Over All Dimension			
Sq. mm	Nos. / mm	mm	mm		mm	Thickness (T)	Width (W)	Ω/km
1.5	22 / 0.30	0.8	3.25	1.3	6.0	15.8	12.1	16
2.5	36 / 0.30	0.9	3.84	1.3	6.5	18.0	7.41	22
4	56 / 0.30	1.0	4.5	1.45	7.6	21.0	4.95	29
6	84 / 0.30	1.0	5.3	1.5	7.9	24.3	3.30	37
10	14 / 0.30	1.0	6.5	1.8	9.9	29.7	1.91	51
16	224 / 0.30	1.0	8.0	1.95	11.8	36.0	1.21	68
25	350 / 0.30	1.2	10.1	2.0	14.7	45.1	0.780	86
35	490 / 0.30	1.2	11.5	2.0	16.2	50.1	0.554	110
50	703 / 0.30	1.4	13.6	2.2	18.3	58.1	0.386	125

- The number of wires is approximate and wire diameter is nominal; they shall be such as to satisfy the requirements of conductor resistance as per Class 5 of IEC 60228 / DIN VDE 0295 / IS 8130 / BS 6360





## 3 CORE ROUND SUBMERSIBLE CABLE

**APPLICATION :** Ideal for Irrigation pumps, Drinking water supply pumps, Offshore drilling rigs, Firefighting equipments, Sewage treatment plants, Sea water handling equipments, etc.

**CONDUCTOR :** Thin strands of electrolytic copper having highest purity, least resistance are multi drawn for uniformity in dimension and flexibility.

**INSULATION :** The conductors are insulated with specially formulated super flexible PVC compound having high water resistance values.

**SHEATHING :** 3 cores are laid in position and sheathed with high abrasion resistant PVC compound impervious to grease, oil, water, etc.

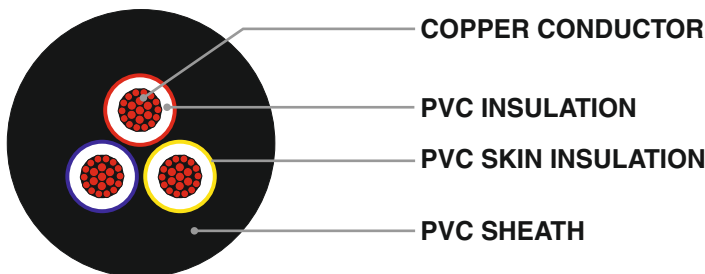
**BENEFITS :** Tough and flexible cable provides safety, Excellent moisture & weather resistance, Best quality of electrolytic grade copper saves power, High abrasion resistance, Wide temperature range : -15°C to 70°C.

**MARKING :** The cables are marked as 'BEDIYA'.

### SIZES, DIMENSIONS AND RATINGS

Conductor		PVC Insulation		Total Thickness of Double PVC Sheath		Conductor Resistance at 20°C (max)	Current Rating at 40°C
Nominal Area	Number & Nominal Dia. of Strands	Nominal Thickness	Nominal Core Diameter	Nominal Thickness	Approx Over All Dimension		
Sq. mm	Nos. / mm	mm	mm	mm	mm	Ω/km	Amps.
1.5	22 / 0.30	0.8	3.25	1.5	10	12.1	16
2.5	36 / 0.30	0.9	3.84	1.5	11	7.41	22
4	56 / 0.30	1.0	4.5	1.6	13	4.95	29
6	84 / 0.30	1.0	5.3	1.6	14.6	3.30	37
10	14 / 0.30	1.0	6.5	2.0	18	1.91	51
16	224 / 0.30	1.0	8.0	2.0	21.2	1.21	68
25	350 / 0.30	1.2	10.1	2.15	26	0.780	86
35	490 / 0.30	1.2	11.5	2.15	28.3	0.554	110
50	703 / 0.30	1.4	13.6	2.25	33.5	0.386	125

- The number of wires is approximate and wire diameter is nominal; they shall be such as to satisfy the requirements of conductor resistance as per Class 5 of IEC 60228 / DIN VDE 0295 / IS 8130 / BS 6360



## 4 CORE ROUND SUBMERSIBLE CABLE

**APPLICATION :** Ideal for Irrigation pumps, Drinking water supply pumps, Offshore drilling rigs, Firefighting equipments, Sewage treatment plants, Sea water handling equipments, etc.

**CONDUCTOR :** Thin strands of electrolytic copper having highest purity, least resistance are multi drawn for uniformity in dimension and flexibility.

**INSULATION :** The conductors are insulated with specially formulated super flexible PVC compound having high insulation resistance values.

**SHEATHING :** 4 cores are laid in position and sheathed with high abrasion resistant PVC compound impervious to grease, oil, water, etc.

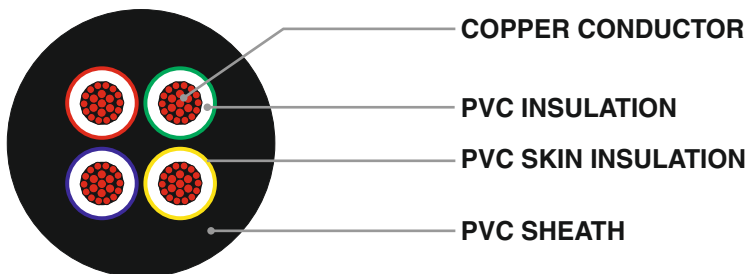
**BENEFITS :** Tough and flexible cable provides safety, Excellent moisture & weather resistance, Best quality of electrolytic grade copper saves power, High abrasion resistance, Wide temperature range : -15°C to 70°C.

**MARKING :** The cables are marked as 'BEDIYA'.

### SIZES, DIMENSIONS AND RATINGS

Conductor		PVC Insulation		Total Thickness of Double PVC Sheath		Conductor Resistance at 20°C (max)	Current Rating at 40°C
Nominal Area	Number & Nominal Dia. of Strands	Nominal Thickness	Nominal Core Diameter	Nominal Thickness	Approx Over All Dimension		
Sq. mm	Nos. / mm	mm	mm	mm	mm	Ω/km	Amps.
1.5	22 / 0.30	0.8	3.25	1.5	10.8	12.1	16
2.5	36 / 0.30	0.9	3.84	1.65	12.5	7.41	22
4	56 / 0.30	1.0	4.5	1.65	14.1	4.95	29
6	84 / 0.30	1.0	5.3	1.65	16	3.30	37
10	14 / 0.30	1.0	6.5	2.0	20.35	1.91	51
16	224 / 0.30	1.0	8.0	2.0	23.4	1.21	68
25	350 / 0.30	1.2	10.1	2.2	28.8	0.780	86
35	490 / 0.30	1.2	11.5	2.2	31.5	0.554	110
50	703 / 0.30	1.4	13.6	2.3	37.3	0.386	125

- The number of wires is approximate and wire diameter is nominal; they shall be such as to satisfy the requirements of conductor resistance as per Class 5 of IEC 60228 / DIN VDE 0295 / IS 8130 / BS 6360

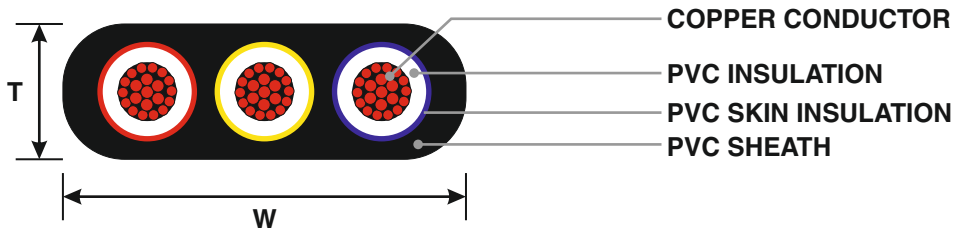


A submersible Pump cable is a specialized product to be used for submersible pumps in a deep well. The area of installation is physically restrictive, and the environment is very hostile. **Bediya** is designed and manufactured keeping in mind these factors to achieve the highest possible degree of reliability

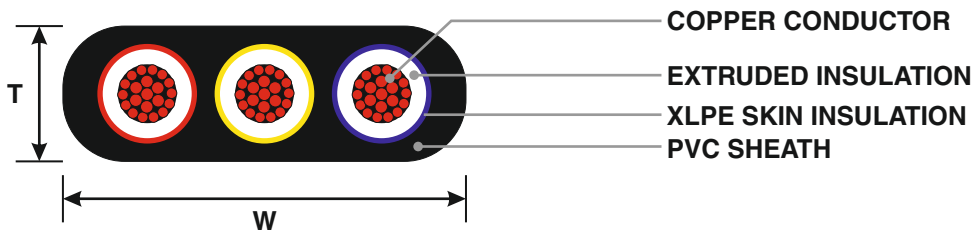
Core Colour : Core Identification		
Core Coding	As per IEC 60228	As per IS 694
3 Core	Black, Light Blue And Brown	Red, Yellow And Blue
4 Core	Black, Light Blue, Brown, Yellow With Green Line / Green With Yellow Line	Red, Yellow, Blue, Green / Black

Submersible cables are manufactured in 2 types of insulations. We manufacture both.

### PVC Insulations



### XLPE Insulations



### Here are the advantages of XLPE insulation over PVC insulation

- XLPE insulation has higher moisture resistance property. Almost 100 times better than PVC insulation.
- XLPE insulation has higher temperature resistance range compared to PVC insulation. In wet condition.  
XLPE Temperature Range : -75°C to 90°C in dry condition.  
PVC Temperature Range : -15°C to 70°C
- XLPE insulation provides ideal resistance for better power transmission.
- XLPE insulation has better abrasion resistance property compared to PVC insulation.







## BEING SAFE IS BEING SMART

Almost half of the fire accidents occur due to electrical reasons. Poor quality cables contribute to this.

Safety should be the utmost priority but efficiency is necessity to save the world. In that case both safety and efficiency is important for which perfect cable selection is required.

Things to be taken care of before selecting cables.

### 1) Quality of conductor

- Pure electrolytic grade copper
- Maximum current carrying capacity
- Correct gauge of each conductor
- Correct number of conductors
- Conductors with uniform gauge

### 2) Quality of insulation

- 100% lead free
- Flame retardant properties
- Non-toxic and smoke reducing properties
- High temperature resistant

### 3) Resistance of the conductor

- High current carrying capacity
- Best-lowered resistance value

**BEDIYA WIRES AND CABLES HAVE IT ALL**

# OUR OTHER PRODUCT RANGE

## WIRES & CABLES



**HOUSEHOLD**



**SUBMERSIBLE**



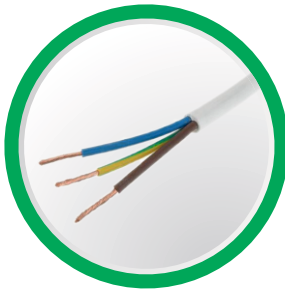
**WELDING**



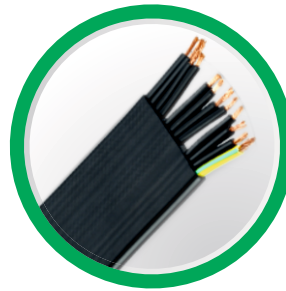
**CO-AXIAL**



**POWER & CONTROL**



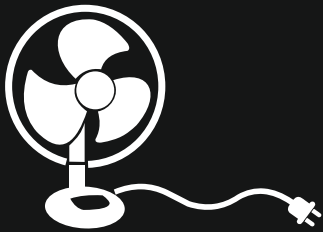
**FLEXIBLE**



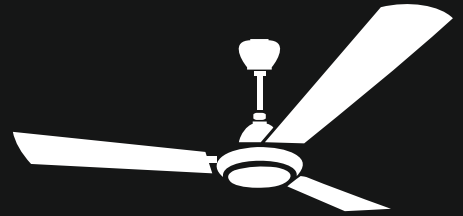
**ELEVATOR**



**OVERHEAD**



## FANS



**BCF 01W G**



**BCF 02W GR**



**BCF 03W S**



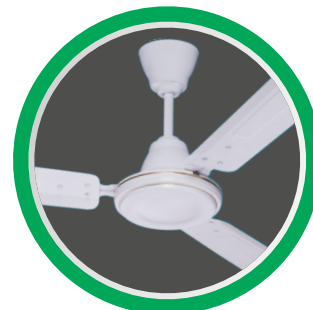
**BCF 04W G**



**BCF 05W S**



**BCF 06W G**



**BCF 07W**



**BCF 10W G**



LIGHTS FOR LIFE



Manufactured By :-

**BEDIYA WIRES AND CABLES (MAURITIUS) LIMITED**

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Contact No.: +230 58161808

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