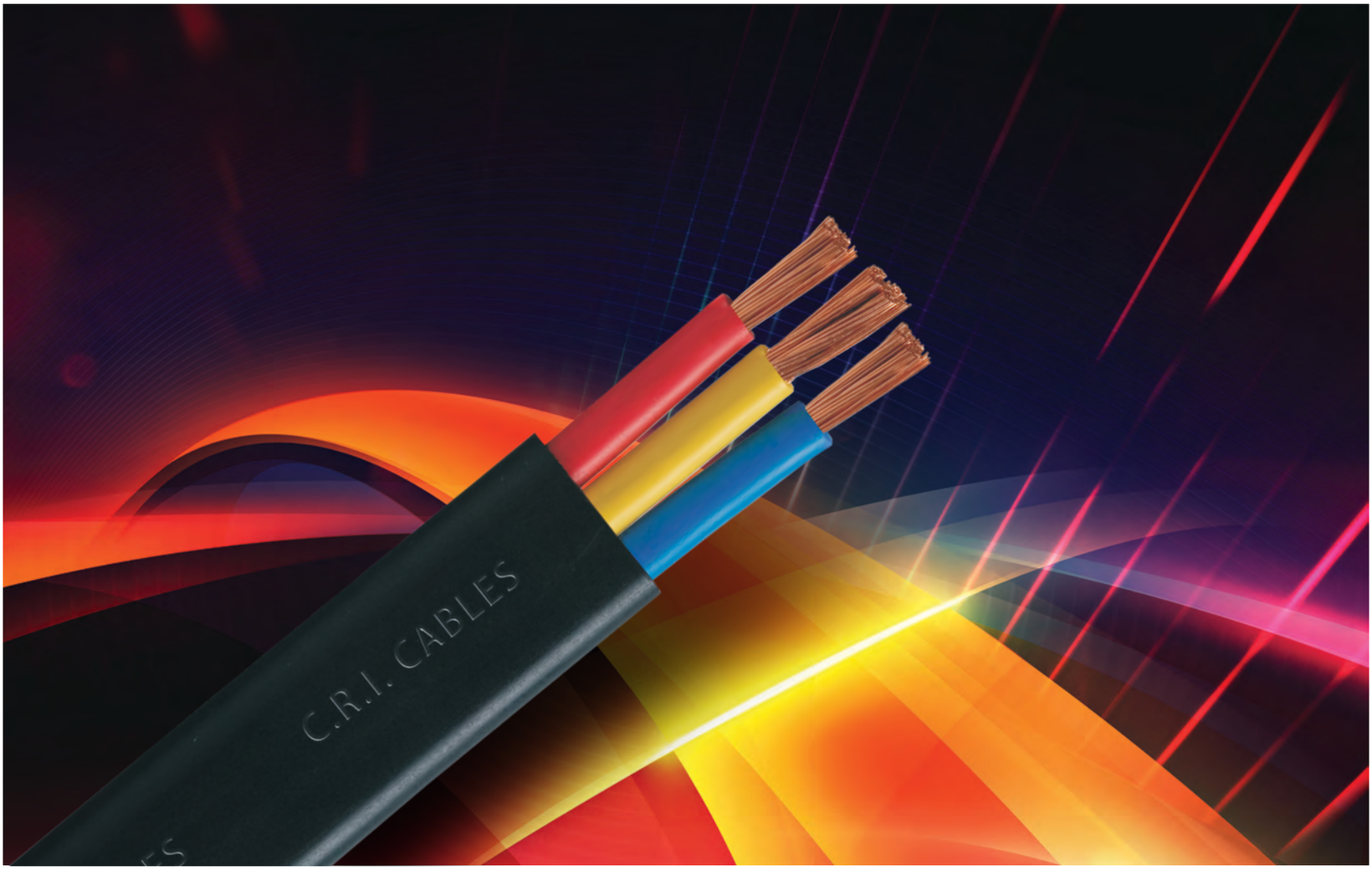
C.R.I. CABLES

C.R.I. PVC INSULATED AND SHEATHED

FLAT CABLES



HIGH AGEING PROPERTY | **ASSURED BY 99.97% E.C. GRADE COPPER** | **DOUBLE LAYER PROTECTION**

C.R.I. PVC INSULATED AND SHEATHED FLAT CABLES
(PVC FLAT 3 CORE)

C.R.I. Cables are manufactured as per Indian Standards that generally conforms to IS 694. High Conductivity Annealed and Bunched flexible Copper conductors are made from electrolytic bright copper twisted together and insulated with Double Layer Protection.

Specifications

Voltage Grade	1100 V - AC Supply
Temperature Range	-10°C to +70°C
Conductor	High conductivity annealed copper
Insulation Material	Flexible water proof PVC
Sheath Material	Flexible water proof PVC
Sheath Colour	Black#
Core Colours	Red, Yellow & Blue

#Any other sheath color as agreed between the purchaser & supplier

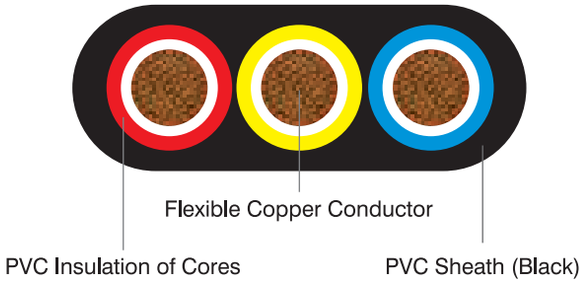
Advantages

- **High ageing property**
- **Low conductor resistance**
- **High insulation resistance**
- **Excellent weather resistant**
- **Resistant to oils, chemicals, Ozone,& Solvents**
- **Cut, tear & abrasion resistant**
- **Flame resistant**

Applications

These cables enjoy longer and trouble free life and are ideally suitable for giving the power connection in submersible pump motors used mainly for Agriculture purpose.

Available Size : 1.0mm² to 50.0mm²



PARAMETER		3 CORE FLAT CABLES AS PER IS-694					
Conductor Area in sq.mm. (Nominal)		1.0	1.5	2.5	4.0	6.0	10.0
No. of strands and Diameter (Nominal)		32/0.20	30/0.25	50/0.25	56/0.30	84/0.30	140/0.30
Thickness of Insulation in mm. (Nominal)		0.6	0.6	0.7	0.8	0.8	1.0
Thickness of Sheath in mm. (Nominal)		0.9	0.9	1.0	1.0	1.1	1.4
Maximum Overall Dimensions in mm.	W	11.0	12.0	13.0	15.3	19.2	24.2
	H	5.4	5.6	6.2	7.1	8.4	10.4
Maximum Conductor Resistance at 20°C Ohms/km		19.5	13.3	7.98	4.95	3.30	1.91
Current carrying capacity at 40°C Amps		11.0	14.0	18.0	26.0	31.0	42.0

Note : Conductor construction generally conforms to meet the resistance value as per IS 8130:2013

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