ANCHOR WIRES
COMPLETE WIRING SOLUTIONS
Anchor PVC insulated wires & cables are produced in two most modern state - of - the - art manufacturing facilities located at Daman & Kutch. The fully automated plants incorporate the latest in wire & cable technology and manufacturing techniques with electronic / PLC based machines, which ensure a high degree of quality and consistency. At core of anchor strength is a team of highly qualified and experienced engineers and technocrats, which overseas operations with total commitment to quality and continuous endeavor for improvement to give customers value for money. The wire & cable range is manufactured as per IS : 694 consist of building wires, industrial, residential & agricultural cables and communication cables as per TEC & Anchor specification.
### Flexible PVC Insulated and Sheathed Cable (Circular) up to 1100V as per IS : 694

<table>
<thead>
<tr>
<th>Nom Cross Sectional Area of Conductor mm²</th>
<th>No. / Nom Dia of Wire</th>
<th>Nominal Thickness of Insulation mm</th>
<th><em>Single Core</em></th>
<th>2 Core</th>
<th>3 Core</th>
<th>4 Core</th>
<th>5 Core</th>
<th>Max DC Resistance at 20°C Ohm/km</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.5</td>
<td>16/0.2</td>
<td>0.6</td>
<td>0.9</td>
<td>4.3</td>
<td>0.9</td>
<td>6.9</td>
<td>0.9</td>
<td>7.3</td>
</tr>
<tr>
<td>0.75</td>
<td>24/0.2</td>
<td>0.6</td>
<td>0.9</td>
<td>4.5</td>
<td>0.9</td>
<td>7.3</td>
<td>0.9</td>
<td>7.7</td>
</tr>
<tr>
<td>1.0</td>
<td>32/0.2</td>
<td>0.6</td>
<td>0.9</td>
<td>4.7</td>
<td>0.9</td>
<td>7.6</td>
<td>0.9</td>
<td>8.1</td>
</tr>
<tr>
<td>1.5</td>
<td>32/0.25</td>
<td>0.6</td>
<td>0.9</td>
<td>5.4</td>
<td>0.9</td>
<td>8.9</td>
<td>0.9</td>
<td>9.4</td>
</tr>
<tr>
<td>2.5</td>
<td>48/0.25</td>
<td>0.7</td>
<td>1.0</td>
<td>6.2</td>
<td>1.0</td>
<td>10.3</td>
<td>1.0</td>
<td>10.9</td>
</tr>
<tr>
<td>4.0</td>
<td>56/0.3</td>
<td>0.8</td>
<td>1.0</td>
<td>6.8</td>
<td>1.0</td>
<td>11.6</td>
<td>1.0</td>
<td>12.4</td>
</tr>
</tbody>
</table>

---

### Flexible PVC Insulated and Sheathed Cable (Circular) up to 1100V as per IS : 694

<table>
<thead>
<tr>
<th>Nom Cross Sectional Area of Conductor mm²</th>
<th>No. / Nom Dia of Wire</th>
<th>Nominal Thickness of Insulation mm</th>
<th><em>Single Core</em></th>
<th>2 Core</th>
<th>3 Core</th>
<th>4 Core</th>
<th>5 Core</th>
<th>Max DC Resistance at 20°C Ohm/km</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>80/0.3</td>
<td>0.8</td>
<td>1.1</td>
<td>7.50</td>
<td>1.1</td>
<td>13.0</td>
<td>1.2</td>
<td>13.8</td>
</tr>
<tr>
<td>*10</td>
<td>144/0.3</td>
<td>1.0</td>
<td>1.3</td>
<td>9.40</td>
<td>1.3</td>
<td>16.5</td>
<td>1.4</td>
<td>17.69</td>
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<tr>
<td>*16</td>
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<td>1.4</td>
<td>10.90</td>
<td>1.4</td>
<td>19.4</td>
<td>1.4</td>
<td>20.60</td>
</tr>
<tr>
<td>*25</td>
<td>196/0.4</td>
<td>1.2</td>
<td>1.4</td>
<td>13.60</td>
<td>1.4</td>
<td>23.8</td>
<td>1.5</td>
<td>25.60</td>
</tr>
<tr>
<td>*35</td>
<td>272/0.4</td>
<td>1.2</td>
<td>1.6</td>
<td>15.50</td>
<td>1.6</td>
<td>27.2</td>
<td>1.6</td>
<td>29.30</td>
</tr>
</tbody>
</table>
MULTI-CORE FLEXIBLE CABLE
Anchor Multi-core FR PVC insulated and PVC Sheathed Flexible cable conforming to IS 694 is made with a highly flexible conductor and specially formulated FR (Flame Retardant) flexible PVC insulation and PVC sheathing compound that impart superior flexibility to the cable. Also, made with FR-LSH grade sheathing for emitting less toxic gases.

MULTI CORE SHEATHED CABLE
Anchor multicore cables are having wide range of application in housing appliances, machine tools, control panels & other industrial applications. The product is made from specially formulated PVC compound which has excellent flexibility, abrasion properties & uniform laying which makes it easily strippable.

Copper: At the core of Anchor Cable is electrolytic copper conductor with 99.97% purity and 101% conductivity as per IACS (International Annealed Copper Standard), fully annealed to impart the desired softness/pliability and extra flexibility in class 2 and class 5 conductor. Correct diameter, perfect circularity, mirror finish and fine metallurgical structure constitute the conductor characteristics. Class 2 and 5 conductors are stranded/bunched into a compact, cohesive and uniform conductor.

Insulation: The FR PVC insulation is made of specially formulated proprietary compound that has high insulation resistance, thermal stability and exceptional flame retardant properties, suitable for installation in environments of high temperature and adverse condition. The insulation is applied on a state-of-art PLC based fully automatic insulation line that ensures correct diameter/thickness and concentricity, further enhancing the reliability and longevity of the cable.

Laying Up: The required number of cores in specified colours are laid up with proper lay and optimum tension to form an assembled cable that retains the circular shape and does not allow the cores to open or twist out of shape during further processing. The laying up is carried out in an important machine which applies uniform tension on all the cores resulting in a compact round assembly, correct laid up diameter, essential for maintaining uniform sheath thickness.

Sheath: It is provided to protect the insulated cores from mechanical damage. The sheathing compound with superior mechanical strength and desired flexibility to withstand rigorous use involving impact and abrasion. It is easily separable from cores.

Quality Assurance: Right from the beginning, Quality Assurance has been the cornerstone at Panasonic Life Solutions India Pvt. Ltd. which is embedded in a material, manufacturing process and supply chain. This commitment is reflected in ISO 9001:2015 accreditation and maintained by ceaseless inspection, checks and testing right from raw material stage through manufacturing to packing stage.

Product is available in 100 mtr coil wrapped with suitable material.
Product can be provided in 300 mtr & 500 mtr on wooden drums.
3 CORE FLAT SHEATHED SUBMERSIBLE CABLE

REACH AND RoHS COMPLIANT
3 CORE FLAT SUBMERSIBLE CABLE.

- Tough & flexible cable with excellent moisture, abrasion & weather resistance.
- Safe, Reliable with excellent wet electrical properties.
- Available with RoHS PVC for drinking water pump.
- Working Voltage - 1100 Volt
- Conductor - Bright Annealed 99.97% pure bare copper conductor confirming to IS 8130 : 2013
- Color of Cores - Red, Yellow, Blue.
- Specification - IS 694 : 2010
- Best Quality of electrolytic grade copper
- Excellent weather and moisture resistance
- Good insulation properties when submerged in water
- Excellent mechanical & electrical properties
- Progressive sequential length marking on every meter
- Embossing on sheath
- Outer sheath comprises of highly abrasion resistant PVC compound impervious to grease, oil and water etc.
- Available in drums of cable length 500 mtr +/- 5% and 100 mtr coil
### 3 Core Flat FR PVC Insulated and Sheathed Cable up to 1100V as per IS : 694

<table>
<thead>
<tr>
<th>Nominal Cross-sectional area of conductor (sq.mm)</th>
<th>Nominal Thickness of Insulation (mm)</th>
<th>Nominal Thickness of Sheath (mm)</th>
<th>Maximum Overall Dimension</th>
<th>Current Rating (Amp)</th>
<th>Max. DC Resistance at 20° C Ohms/km</th>
<th>Water permeability/penetration</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5</td>
<td>0.6</td>
<td>0.9</td>
<td>12.0</td>
<td>5.6</td>
<td>14</td>
<td>13.3</td>
</tr>
<tr>
<td>2.5</td>
<td>0.7</td>
<td>1</td>
<td>13.0</td>
<td>6.2</td>
<td>19</td>
<td>7.98</td>
</tr>
<tr>
<td>4</td>
<td>0.8</td>
<td>1</td>
<td>15.3</td>
<td>7.1</td>
<td>29</td>
<td>4.95</td>
</tr>
</tbody>
</table>

Note: The insulation & sheath thickness given in the table are nominal values. For conductor the conductor resistance as per IS: 8130 IS governing criteria.

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Product is available in drums of cable length 500 mtr +/-5% & in 100 mtr coil.
COMMUNICATION CABLE

TELEPHONE & SWITCH BOARD CABLE

Anchor Telephone & Switch Board Cable, designed for voice clarity and elimination of cross talk, are most suitable for indoor use in large office/residential buildings, hotels and industrial complex for interconnection of telephone and intercom system, PBX and in central exchange for interconnection of distribution frames, switching and transmission equipments.

Solid annealed high conductivity bare copper of 0.4/0.5 diameter is insulated with high density polyethylene in different colours, twisted with varying lay length to form pair and laid-up together in such a manner as to minimize cross talk. The laid up cables are sheathed with specially formulated PVC Compound. The cables generally confirm to TEC Specification No GR/WIR-06/03 and Anchor specification. The design, material and quality parameter of Anchor Telephone Cables are such as to give improved transmission quality and reproduction of voice fully and clearly.
FEATURE:

Voice Clarity & No Voice Loss: High purity 99.97% electrolytic grade copper conductor of uniform diameter with 100% conductivity positive tolerance and having balanced low resistance in a pair eliminates voice loss giving crisp clarity.

Zero Noise Level & No Crosstalk: Concentric uniform thickness of insulation without internal imperfections, high insulation resistance, differential lay lengths of pair and staggered positioning of pairs which eliminate noise and disturbances caused by outside electromagnetic interference and cross-talk, i.e. picking up transmission through adjoining lines, thus, improving clarity and quality of voice.

<table>
<thead>
<tr>
<th>CONDUCTOR</th>
<th>INSULATION</th>
<th>HEADING BINDER</th>
<th>RIP CORD</th>
<th>SHEATH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal Diameter (mm)</td>
<td>Material</td>
<td>Material</td>
<td>Material</td>
<td>Material</td>
</tr>
<tr>
<td>0.4</td>
<td>Bright Annealed 99.97% Pure Copper approved by ICAI</td>
<td>HDPE</td>
<td>Nylon*</td>
<td>Grey Sheathing PVC Compound</td>
</tr>
<tr>
<td>0.5</td>
<td>HDPE</td>
<td>Nylon*</td>
<td>Nylon</td>
<td></td>
</tr>
</tbody>
</table>

*10 Pair & above

ELECTRICAL PARAMETER

Conductor Resistance at 20°C (Max.): 0.4 mm - 143 Ω/km & 0.5 mm - 92.20 Ω/km

Mutual Capacitance: Max 50 nF/km

Capacitance Unbalanced Pair to Pair: Max 250 PF/km
ANCHOR 23 AWG UTP CAT6 LAN Cable

In today’s bandwidth-hungry climate with rapidly-emerging technology trending, never before has the need for a high speed been more critical. Anchor’s unshielded twisted pair (UTP) LAN Cables Category 6 is designed to support an optimum speed offering superior performance for streaming video and multimedia, faster data transmission over the local area network (LAN). Anchor CAT 6 cable is targeted as preferred cable for use in many home and business-based Ethernet network where speed, reliability are the best for transmitting data over local area network (LAN). The cables are verified and exceed performance requirements specified by the TIA/EIA-568-C.2-1. The cable consist of four balanced twisted - pairs of 23 AWG thermoplastic insulated solid conductors enclosed in thermoplastic jacket. Each pair is twisted to prevent interference from other devices on the network. These cables are simple, cost-effective and support high-speed transmission performance, digital and analogue voice and video (RGB) signals on LANs. They support a higher signal-to-noise ratio, providing better reliability for current applications and higher data rates for future applications operating at a bandwidth up to 250MHz.

CAT6 UTP Cable supports Gigabit Ethernet (1000 Base-T) standard.
Operates at bandwidth up to 250MHz.

Features

- Comply with Cat6 specifications
- 4-pair unshielded twisted pair (UTP) cable
- 23 AWG solid copper conductor for superior conductivity
- HDPE insulation
- PE separator
- FR PVC Jacket
- Verified compliant with TIA standards
- RoHS Complaint
- High ACR values providing low BER (Bit Error-Rate)
- Extremely high pair-balance providing excellent EMC (Electromagnetic compatibility)
- Minimum radiation and maximum noise immunity
- High speed data access
- Unshielded Twisted Cable

- Cable supports frequencies up to 250 MHz
- Cable supports data transfer speeds up to 1000 Mbps - Gigabit
- Packaged in an easy-to-pull box for easier installation
Available in 305 Mtr. (1000 ft) Box packaging

Specifications

- Category: Category 6-4 Pair Unshielded Twisted Pair (UTP) Cable
- Conductor Metal: ≥99.9% pure Solid Bare Copper
- Colour: Light Grey
- Insulation Diameter: 1.53 mm max.
- Insulation Material: HDPE
- Jacket Material: Flame Retardant (FR) PVC compound
- Cable Diameter: 6.0 ± 0.25 mm
- Separator: Specially designed PE separator

CAT6 UTP Cable supports Gigabit Ethernet (1000 Base-T) standard. Operates at a bandwidth up to 250 MHz

<table>
<thead>
<tr>
<th>Colour code - No. of Pairs</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pair 1: White and Blue</td>
<td>4</td>
</tr>
<tr>
<td>Pair 2: White and Orange</td>
<td>4</td>
</tr>
<tr>
<td>Pair 3: White and Green</td>
<td>4</td>
</tr>
<tr>
<td>Pair 4: White and Brown</td>
<td>4</td>
</tr>
</tbody>
</table>

TECHNICAL DETAILS

- Mutual Capacitance: Max. 5.6 nF / 100 mtrs.
- Characteristic Impedance: 100 ± 15% (±10 Ohm).
- Nominal Velocity of Propagation: Min. 65% @250MHz.
- Conductor Resistance (DC): Max. 9.38 Ohms / 100 mtrs. @ 20°C
- Resistance Unbalance: Max 2%
- Capacitance Unbalance: 160 pF/100 mtrs.
- Delay skew: Max 45ns / 100 mtrs. @ 20°C
- Bending Radius: 4 X Cable Diameter
- Pulling Force: Max: 11.5 kg.
- Operating Environment: - Indoor
ADVANCE - FR
SUPERIOR CONDUCTIVITY

India’s first Advance FR-PVC wire is insulated with an advanced formulation of special ingredients with extra fire fighting properties & higher oxygen and temperature index than those of normal PVC. Plus, India’s only wire with 101% conductivity, reduces heat generation and saves considerable power resulting in reduced electricity bills.

LIGHT DUTY CABLE & BUILDING WIRES

- India’s first Advance FR building wire.
- 100% electrolytic copper.
- India’s first wire with 101% copper conductivity (IACS).
- Extra annealing for better flexibility.

100% Electrolytic copper
101% Conductivity
100% Bunched
60% Extra Annealing
30% Oxygen Index

Silk Colour PVC
Natural PVC
Multistrand Flexible Copper Conductor
Standard coil length 90 mtr & 100 mtr coil

Available colours

- Red
- Yellow
- Blue
- Black
- Green
- Grey
- White
# Single Core Unsheathed 1100 V PVC Insulated Wire with Copper Conductor

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Nominal Area of Conductor (S.G. MM)</th>
<th>Nominal Thickness of Insulation (mm)</th>
<th>Nominal Overall Diameter of Cable (mm)</th>
<th>Current Rating 2 cable single phase ac/dc (Amp)</th>
<th>Max DC Resistance at 20°C (ohm/km) as per IS 8130</th>
<th>Std. Pkg. (No. of Coils)</th>
</tr>
</thead>
<tbody>
<tr>
<td>27380</td>
<td>0.75**</td>
<td>0.6</td>
<td>2.4</td>
<td>7</td>
<td>26.0</td>
<td>12</td>
</tr>
<tr>
<td>27390</td>
<td>1*</td>
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<td>2.7</td>
<td>12</td>
<td>18.1</td>
<td>12</td>
</tr>
<tr>
<td>27404</td>
<td>1.5**</td>
<td>0.7</td>
<td>3.1</td>
<td>16</td>
<td>12.1</td>
<td>12</td>
</tr>
<tr>
<td>27415</td>
<td>2.5**</td>
<td>0.8</td>
<td>3.7</td>
<td>22</td>
<td>7.41</td>
<td>10</td>
</tr>
<tr>
<td>27426</td>
<td>4**</td>
<td>0.8</td>
<td>4.1</td>
<td>29</td>
<td>4.95</td>
<td>8</td>
</tr>
<tr>
<td>27437</td>
<td>6**</td>
<td>0.8</td>
<td>4.7</td>
<td>37</td>
<td>3.3</td>
<td>6</td>
</tr>
<tr>
<td>27448</td>
<td>10**</td>
<td>1.0</td>
<td>6.3</td>
<td>51</td>
<td>1.91</td>
<td>2</td>
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<tr>
<td>27459</td>
<td>16**</td>
<td>1.0</td>
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<td>1.21</td>
<td>2</td>
</tr>
<tr>
<td>27460</td>
<td>25**</td>
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<td>86</td>
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<td>1</td>
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<tr>
<td>93256</td>
<td>35**</td>
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<td>10.2</td>
<td>110</td>
<td>0.554</td>
<td>1</td>
</tr>
</tbody>
</table>

* - Class 2 conductor as per IS 8130, ** - Class 5 conductor as per IS 8130

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## FR Advantage As Per IS 694 Requirement

<table>
<thead>
<tr>
<th>Test</th>
<th>Objective</th>
<th>Specification</th>
<th>Method</th>
<th>Observation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Critical Oxygen Index</td>
<td>To check and determine the amount of oxygen % required to support combustion of insulating material at room temperature</td>
<td>IS 694 : 2010</td>
<td>IS 10810 Part-58</td>
<td>&gt;29%</td>
</tr>
<tr>
<td>Temperature Index</td>
<td>To check and determine the temperature at which the normal oxygen content in air (21%) will support combustion of insulating material.</td>
<td>IS 694 :2010</td>
<td>IS 10810 Part-64</td>
<td>&gt;250%</td>
</tr>
</tbody>
</table>

---

NEMO Advance - FR

Advance FR is also made in 50 mtr coil standard packing familiar as Nemo Advance FR in market.
ADVANCE - EFFR
SUPERIOR CONDUCTIVITY

World’s 1st Advance FR PVC GERMFREE (Anti-bacterial) wire having additional high value functional properties those act as an active ingredient for biocides that prevents the anti-microbial surface effects providing an additional protection, restriction on growth of the bacteria and thereby supporting in extended human life also, it is insulated with an advance formulation of special ingredients with extra fire fighting properties and a higher oxygen and temperature index than those of normal PVC. Plus, India’s only wire with 101% Conductivity, reduces heat generation and saves considerable power resulting in reduced electricity bills.

LIGHT DUTY CABLE & BUILDING WIRES

POWER SAVER

- India’s first Advance FR building wire.
- India’s first wire with 101% copper conductivity (IACS).
- 100% electrolytic copper.
- Extra annealing for better flexibility.
- Germfree PVC – Anti-microbial property tested as per JIS & AS TM Standards

100% Electrolytic Copper
101% Conductivity
100% Blanched
60% Extra Annealing
30% Oxygen Index

Available colours:
- Red
- Yellow
- Blue
- Black
- Green
- Grey
- White
### SINGLE CORE UNSHEATHED 1100 V PVC INSULATED WIRE WITH COPPER CONDUCTOR

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Nominal Area of Conductor* (SQ. MM)</th>
<th>Nominal Thickness of Insulation (mm)</th>
<th>Nominal Overall Diameter of Cable (mm)</th>
<th>Current Rating 2 Cable Single Phase AC/DC (Amp)</th>
<th>Max DC Resistance at 20°C (ohm/km) as per IS : 8130</th>
<th>Std. Pkg. (No. of Coils)</th>
</tr>
</thead>
<tbody>
<tr>
<td>96102</td>
<td>0.75</td>
<td>0.6</td>
<td>2.4</td>
<td>7</td>
<td>260</td>
<td>12</td>
</tr>
<tr>
<td>96103</td>
<td>1</td>
<td>0.6</td>
<td>2.7</td>
<td>11</td>
<td>19.5</td>
<td>12</td>
</tr>
<tr>
<td>96104</td>
<td>1.5</td>
<td>0.6</td>
<td>3.0</td>
<td>14</td>
<td>13.3</td>
<td>12</td>
</tr>
<tr>
<td>96105</td>
<td>2.5</td>
<td>0.7</td>
<td>3.5</td>
<td>19</td>
<td>7.98</td>
<td>10</td>
</tr>
<tr>
<td>96106</td>
<td>4</td>
<td>0.8</td>
<td>4.1</td>
<td>29</td>
<td>4.95</td>
<td>8</td>
</tr>
<tr>
<td>96107</td>
<td>6</td>
<td>0.8</td>
<td>4.7</td>
<td>37</td>
<td>3.30</td>
<td>6</td>
</tr>
</tbody>
</table>

* - CLASS 5 CONDUCTOR AS PER IS 8130

### FR ADVANTAGE AS PER IS 694 REQUIREMENT

<table>
<thead>
<tr>
<th>TEST</th>
<th>OBJECTIVE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Critical Oxygen Index</td>
<td>To check and determine the amount of oxygen % required to support combustion of insulating material at room temperature</td>
</tr>
<tr>
<td>Temperature Index</td>
<td>To check and determine the temperature at which the normal oxygen content in air (21%) will support combustion of insulating material.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SPECIFICATION</th>
<th>METHOD</th>
<th>OBSERVATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>IS 694 : 2010</td>
<td>IS 10810 Part-58</td>
<td>&gt;29%</td>
</tr>
<tr>
<td>IS 694 : 2010</td>
<td>IS 10810 Part-6-4</td>
<td>&gt;250%</td>
</tr>
</tbody>
</table>

ISO 9001, ISO 14001, BS OHSAS 18001 & EN ISO 50001 CERTIFIED COMPANY
FIREGUARD FR-LSH

30% refers to oxygen index of wire insulation. Anchor 'Fire Guard' is the only wire with 30% oxygen index, highest in the industry, that is most resistant and least affected by fire. Plus all Anchor wires are 100% bunched that means greater flexibility and cohesiveness, better conductivity and better workability.

- India's first wire with 101% copper conductivity (IACS).
- 100% electrolytic copper.
- Extra annealing for better flexibility.
- Emits less smoke and less toxic halogen acid gas against ordinary wire.

Available colours

- Standard coil length 180 mtr. coil

ISO 9001, ISO 14001, BS OHSAS 18001 & EN ISO 50001 CERTIFIED COMPANY
**SINGLE CORE UNSHEATHED 1100 V PVC INSULATED WIRE WITH COPPER CONDUCTOR**

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Nominal Area of Conductor* (sq. mm)</th>
<th>Nominal Thickness of Insulation (mm)</th>
<th>Nominal Overall Diameter of Cable (mm)</th>
<th>Current Rating 2 Cable Single Phase AC/DC (Amp)</th>
<th>Max DC Resistance at 20°C (ohm/km) as per IS : 8130</th>
<th>Std. Pkg. (No. of Coils)</th>
</tr>
</thead>
<tbody>
<tr>
<td>P-27536</td>
<td>1</td>
<td>0.6</td>
<td>2.7</td>
<td>11</td>
<td>19.5</td>
<td>6</td>
</tr>
<tr>
<td>P-27517</td>
<td>1.5</td>
<td>0.6</td>
<td>3</td>
<td>14</td>
<td>13.3</td>
<td>6</td>
</tr>
<tr>
<td>P-27528</td>
<td>2.5</td>
<td>0.7</td>
<td>3.5</td>
<td>19</td>
<td>7.98</td>
<td>4</td>
</tr>
<tr>
<td>P-27539</td>
<td>4</td>
<td>0.8</td>
<td>4.1</td>
<td>29</td>
<td>4.95</td>
<td>4</td>
</tr>
<tr>
<td>P-27540</td>
<td>6</td>
<td>0.8</td>
<td>4.7</td>
<td>37</td>
<td>3.3</td>
<td>3</td>
</tr>
<tr>
<td>27550</td>
<td>10</td>
<td>1</td>
<td>6.3</td>
<td>51</td>
<td>1.91</td>
<td>2#</td>
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<tr>
<td>27572</td>
<td>16</td>
<td>1</td>
<td>7.3</td>
<td>68</td>
<td>1.21</td>
<td>2#</td>
</tr>
<tr>
<td>27587</td>
<td>25</td>
<td>1.2</td>
<td>9</td>
<td>86</td>
<td>0.78</td>
<td>1#</td>
</tr>
</tbody>
</table>

* - CLASS 5 CONDUCTOR AS PER IS 8130, # - 90 MTR COIL

**TEST** | **OBJECTIVE** | **SPECIFICATION** | **METHOD** | **OBSERVATION** |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Critical Oxygen Index</td>
<td>To check and determine the amount of oxygen % required to support combustion of insulating material at room temperature</td>
<td>IS 694 : 2010</td>
<td>IS 10810 Part-58</td>
<td>&gt;29%</td>
</tr>
<tr>
<td>Temperature Index</td>
<td>To check and determine the temperature at which the normal oxygen content in air (21%) will support combustion of insulating material</td>
<td>IS 694 : 2010</td>
<td>IS 10810 Part-64</td>
<td>&gt;230°C</td>
</tr>
<tr>
<td>Smoke Density</td>
<td>To check and determine the visibility (in terms of smoke density) when the insulating material of wire is under fire</td>
<td>IS 694 : 2010</td>
<td>IS 13360 Part-6/Sec 9</td>
<td>&lt;60%</td>
</tr>
<tr>
<td>Halogen Acid Gas Evaluation</td>
<td>To check and determine the amount of HCL gas evolved from insulating material of wire under fire</td>
<td>IS 694 : 2010</td>
<td>IS 10810 Part-59</td>
<td>&lt;20%</td>
</tr>
</tbody>
</table>

ISO 9001, ISO 14001, BS OHSAS 18001 & EN ISO 50001 CERTIFIED COMPANY
TWIN CORE UNSHEATHED CABLE

India's first Advance FR-PVC wire is insulated with an advance formulation of special ingredients with extra fire fighting properties & higher oxygen and temperature index than those of normal PVC. Plus, India's only wire with 101% conductivity, reduces heat generation and saves considerable power resulting in reduced electricity bills.

- Conforming to IS 694.
- 100% electrolytic grade copper.
- FR PVC insulation.
- Ideal for single connection and decorative lights.
- Power-saving compare to non ISI brand.
- Compact bunched conductor

Available colours

- Red
- Black
## TWIN CORE UNSHEATHED CABLE 1100 V PVC INSULATED WIRE WITH COPPER CONDUCTOR

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Nominal Area of Conductor* (sq. mm)</th>
<th>Nominal Thickness of V/A insulation (mm)</th>
<th>Nominal Overall Diameter of each core (mm)</th>
<th>Current Rating 2 cable single phase AC/DC (Amp)</th>
<th>Max DC Resistance at 20°C (ohms/km) as per IS : 8130</th>
<th>Std. Plg. (#No. of Coils)</th>
</tr>
</thead>
<tbody>
<tr>
<td>27477RB</td>
<td>0.50</td>
<td>0.6</td>
<td>2.1</td>
<td>4</td>
<td>39.0</td>
<td>8</td>
</tr>
<tr>
<td>27472RB</td>
<td>0.75</td>
<td>0.6</td>
<td>2.4</td>
<td>7</td>
<td>26.0</td>
<td>8</td>
</tr>
</tbody>
</table>

* - CLASS 5 CONDUCTOR AS PER IS 8130

## FR ADVANTAGE AS PER IS 694 REQUIREMENT

<table>
<thead>
<tr>
<th>TEST</th>
<th>OBJECTIVE</th>
<th>SPECIFICATION</th>
<th>METHOD</th>
<th>OBSERVATION</th>
<th>FR WIRE</th>
<th>ORDINARY PVC WIRE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Critical Oxygen Index</td>
<td>To check and determine the amount of oxygen % required to support combustion of insulating material at room temperature</td>
<td>IS 694 : 2010</td>
<td>IS 10810 Part-58</td>
<td>&gt;29%</td>
<td></td>
<td>23%</td>
</tr>
<tr>
<td>Temperature Index</td>
<td>To check and determine the temperature at which the normal oxygen content in air (21%) will support combustion of insulating material.</td>
<td>IS 694 : 2010</td>
<td>IS 10810 Part-64</td>
<td>&gt;250%</td>
<td></td>
<td>150°C</td>
</tr>
</tbody>
</table>

ISO 9001, ISO 14001, BS OHSAS 18001 & EN ISO 50001 CERTIFIED COMPANY
PRODUCTION FACILITY

1.63 mm copper conductor stored in bobbins

FR PVC insulated wires stored in bobbins before coiling
Inner cartons with 90 metre coil ready for master packing

QA passed finished goods kept in FG storage. Ready to be dispatched.

Material loading for dispatch to CDC
HEAD / REGIONAL OFFICES

WEST (H.Q.)
Panasonic Life Solutions India Pvt. Ltd.
3rd Floor, B Wing, 7th Main IT Park Campus,
Phadnur Road No. 3, Thane (W),
Thane - 400601 Maharashtra
Tel: 022-26438668

NORTH-1
Panasonic Life Solutions India Pvt. Ltd.
5th Floor, 5th Floor, Vasant Vihar,
Chandigarh - 160012
Tel: 0172-2652616

NORTH-2
Panasonic Life Solutions India Pvt. Ltd.
8th Floor, HDIL Complex, Kurla
New Delhi - 110016
Tel: 011-46584488

EAST
Panasonic Life Solutions India Pvt. Ltd.
4th Floor, Block "C", Ameerpet Business Hub,
15, Park Street, Kolkata - 700001
Tel: 033-22205105

SOUTH
Panasonic Life Solutions India Pvt. Ltd.
B-10, 3rd Floor, Prestige Hettia 8,
Infantry Road, Bengaluru, Karnataka - 560001
Tel: 080-25289478

STATE / SALES OFFICES

NORTH-1
JAMMU
Panasonic Life Solution India Pvt. Ltd.
805, 1st Floor, Rahol Nagar,
Jammu - 181002
Tel: 0191-2400030 / 40

PUNJAB
Panasonic Life Solutions India Pvt. Ltd.
1003-2003, 3rd Floor, Rajiv Tower,
Rahol Nagar, Ludhiana - 141001
Punjab
Tel: 0161-4405936

HARYANA
Panasonic Life Solutions India Pvt. Ltd.
Shop No. U-31, Upper Ground Floor,
Phase-1, Gurgaon City Centre,
Gurgaon - 122001

NORTH-2
JALPUR
Panasonic Life Solutions India Pvt. Ltd.
204-205, 3rd Floor, Gyansilok,
NH Road, Jalpur, Rajkot - 360001
Tel: 0753-225666 / 2253080

UDAIPUR
Panasonic Life Solutions India Pvt. Ltd.
4C, Sujal Complex, Mahindra City,
Udaipur - 313001
Tel: 08044 243241

KOTA
Panasonic Life Solutions India Pvt. Ltd.
 hätian 7th Floor, MG Road, Kota,
Rajsthan - 324004
Tel: 0744-2680035

JHARMER
Panasonic Life Solutions India Pvt. Ltd.
S-105, Light Industrial Area,
Near TR Circle, Jodhpur - 343003

NWARANIS
Panasonic Life Solutions India Pvt. Ltd.
P. N. 104, 1st Floor, A-17, S-, 3rd Floor, Dr. Ila Singh
Building, Mahipalpur, Noida,
Uttar Pradesh - 201001

EAST-1
WEST BENGAL
Panasonic Life Solutions India Pvt. Ltd.
1st Floor, Harbani House,
Bakshi City Mall (Bauhlahar),
Sotra Road, Siliguri - 734001

ASSAM
Panasonic Life Solutions India Pvt. Ltd.
Dharmapuri Lane, 3rd Floor,
S.S Road, Tarun Nagar,
DPS, Chuni, Guwahati, Assam - 781005
Tel: 0361-3444033

EAST-2
UHAR
Panasonic Life Solutions India Pvt. Ltd.
1st Floor, Shri Durgaprasad Palace,
Avadi Road, Palai, Sihan - 600001
Tel: 0812-2500035

OKHIA
Panasonic Life Solutions India Pvt. Ltd.
2nd Floor, Creative Plaza, Raipurghar,
Zigwara, Noida 201301
Tel: 0120-4600129

SAMBAULI
Panasonic Life Solutions India Pvt. Ltd.
Quality Inn, 1st Floor,
Nagapada, Santipur,
Dhaka - 1010001

RANCHI
Panasonic Life Solutions India Pvt. Ltd.
50B, 5th Floor, RR Tower,
DPS, Ranchi 833001
Tel: 0661-2441841