We just don’t draw wires, we draw customer satisfaction.

H.D. WIRES PVT. LTD.

Manufacturers of mild steel wire, galvanized wire, electrodes & others wire products

17-20, Sanwer Road, Sector E, Industrial Area, Indore-452015 India.
Ph: 0731-4211165, Mob: 982692 8878, 99990 99016, 72258 68578
Email: salesonline@hdwires.com  website: www.hdwires.com
H.D. Wires (P) Ltd. was established in the year 1988 and is now a recognized name in the manufacturing, supply and trading of unlimited compilation of galvanized wires. The manufacturing story of H.D. Wires (P) Ltd. started back in the year 1994 in Indore (MP) India. Apart from MS wire material which includes annealed binding wire in various sizes, products like G.I welded mesh, MS welded mesh, brass stitching wire, mild steel wire for general engineering purpose, hard drawn steel wire for concrete reinforcement, Mild Steel Galvanized Wire Round & formed For Armouring of Cables, High Tensile Galvanized steel core wire for Aluminium conductor for high voltage etc. are among those wide array of products which are available with H.D. Wires (P) Ltd.

We always strive for building better and long lasting relationship with our customers and believe in meeting the customer base rather than moving for the newer one. Customer satisfaction has always been on the top of the charts for us because that's how you do justice to your brand. Our sincere commitment of timely delivery and supply of quality products is a true delight for our valued customers. We just do not supply best products, but make our products available to our customers at the most competitive prices.

About Us

List of Certifications & License

ISO: 9001:2015
Bureau Veritas certificate
Bureau of Indian Standard
Madhya Pradesh Pollution Control Board
IS: 280/2006
IS: 2185/1986
IS: 12776/2002
IS: 2185/1996
IS: 389/1992
IS: 3975/1999
IS: 398 PART II/1992
IS: 432 PART II/1995
IS: 398 PART VI/1995

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Approved vendor from Power Grid Corporation of India Ltd for Supply of Cable Armour & HTGS Core Wire.
A good infrastructure is the key driver of growth in any type of industry, so keeping in mind H.D. wires has also not missed chance to create such amazing infrastructure, which meets the promise of delivering quality and quantum both. The facilities available with HD wires are making our values more strong by maintaining the time, demand and workforce effectively. The unit is having well equipped production area of 12,500 sqm.

The plant here is equipped with the most modern machines and is managed by experienced personnel with an eye for producing quality grade products. A unit, with a green area of 10,000 sqft, is maintained under the strict guidelines of environment norms and is also far from pollution. The unit is situated at Sanwer Road Industrial Area, Indore (M.P.). Our efficient workforce is involved in the continuous evaluations and improvements to raise the bar of standards.

**Product Profile:**

We offer a large range of quality products to our customers. We also customize our products to meet their specific requirements, if any. H.D. Wires is one of the biggest wire manufacturing companies in central India.

**G. I. Wire**

GI wire (Galvanized Steel Wire) is used for applications that demand longevity. These are mild carbon or high carbon steel wires coated with Zinc, so as to impart the base wire with superior rust resistance properties. We manufacture GI wire in our state-of-the-art facility using ‘Hot Dip’ & ‘Electro-Galvanized’ technology to ensure durability and long-lasting resistance against corrosion.

GI Wires by H.D. Wires are available in the range of 0.91mm to 5.00 mm diameter with consistent mechanical properties and bright surface finish. These galvanized wires are highly resistant to moisture and mechanical damage than other surface coatings and have a very bright and smooth surface finish.
HOT DIP GALVANIZED WIRE

H.D. Wires offer zinc coated Hot Dip GI Wires with consistent mechanical properties, and bright surface finish.

Specifications:
- Diameter: 0.91 mm to 5.0 mm
- Quality Standard: IS:280-2006/as per customer specification
- Zinc Coating: 30 to 290 gms/sqm
- Coating Range: Light, Medium & Heavy Coated

Applications:
- Farming sector
- General engineering sector
- Fencing solutions
- Rust resistant wires in coastal areas
- Gabion wall for hilly areas and river banks

ELECTRO-GALVANIZED WIRE

Electro-Galvanized Wires, also called Cold Dip Wires, are drawn wires with zinc coating done through electro-plating process. The zinc coating varies from 5-20gms/sq mtr. The tolerance of these wires is (+/-) 2.5%. The UTS ranges from 300 to 550 Mpa.

Specifications:
- Diameter Range: 0.91 mm to 2.00 mm

Applications:
- Farming sector
- Construction
- General engineering purpose
- Meshes & filters

ACSR CORE WIRE

ACSR Wire i.e. Aluminium Conductor Steel Reinforced Core Wire is widely used in the overhead transmission line for primary and secondary distribution of conductors/cables. It consists of a solid or stranded steel core surrounded by strands of aluminium. High Tensile Galvanized Steel Wire or ACSR Core Wire may be supplied as a single wire or also in seven strands. They are manufactured conforming to various international standards to satisfy requirements of customers.

Specifications:
- Diameter: 1.57 mm to 4.09 mm
- Quality: Commercial & ISI

Applications:
- Used for mechanical re-inforcement in the manufacturing Aluminium conductor steel reinforced (ACSR).
- Cable & Conductor ACSR Core Wire is used in reinforcement of Aluminium conductors used in distribution and transmission of electricity.

STAY WIRE

Stay wires are galvanized steel wire strands that are used for sustaining mechanical load. Generally, they are made up of twisting seven wires together (six wires stranded around one wire) together. A common use for stay wires is in the electricity industry, using the wire to stay power poles and tower structures.

Specifications:
- Size Range: 2.50 mm to 4.00 mm diameter
- Coating Range: Zinc coated – light, medium and heavy
- Tensile Strength range: 58.4 kgf/ sq. mm to 180 kgf/ sq. mm

Applications:
- Power transmission industry
CABLE ARMOURING WIRE & STRIPS

Cable Armouring Wire is a metal cover usually applied in form of round wire or formed wire, intended to protect the cable from mechanical damage. We manufacture high tension Cable Armouring Wires including round and formed wires for cable industries, as per Indian and International specifications e.g. IS-1975/1999 and BS-1442/1057. These round and formed wires with round and flat cross section are manufactured in the modern galvanized furnace with the latest technology to ensure superior quality. Our products have better corrosion resistance, tensile strength, elongation, resistivity, etc. vis-a-vis products of our competitors.

Cable Armouring Round Wires
Specifications:

<table>
<thead>
<tr>
<th>Size mm</th>
<th>0.90</th>
<th>1.25</th>
<th>1.40</th>
<th>1.60</th>
<th>2.00</th>
<th>2.50</th>
<th>3.15</th>
<th>4.00</th>
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</thead>
<tbody>
<tr>
<td>Tolerance mm (+/-)</td>
<td>0.03</td>
<td>0.035</td>
<td>0.04</td>
<td>0.045</td>
<td>0.05</td>
<td>0.065</td>
<td>0.08</td>
<td>0.10</td>
</tr>
<tr>
<td>Zinc Coating Gms/Sq. M.</td>
<td>75</td>
<td>90</td>
<td>95</td>
<td>105</td>
<td>110</td>
<td>120</td>
<td>135</td>
<td></td>
</tr>
<tr>
<td>Tensile Strength Mpa</td>
<td>300-500</td>
<td>300-500</td>
<td>300-500</td>
<td>300-500</td>
<td>300-500</td>
<td>300-500</td>
<td>300-500</td>
<td></td>
</tr>
<tr>
<td>Elongation % (MIN.)</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>Resistivity Ohm-cm X 10’max</td>
<td>14.5</td>
<td>14.5</td>
<td>14.5</td>
<td>14.5</td>
<td>14.5</td>
<td>14.5</td>
<td>14.5</td>
<td></td>
</tr>
</tbody>
</table>

Applications:
• For armouring various types of power cables.

Cable Armouring Formed Wires
Specifications:

<table>
<thead>
<tr>
<th>Size mm</th>
<th>4.00 X 0.80</th>
<th>6.1 X 1.40</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cross Section</td>
<td>Width A</td>
<td>4.00</td>
</tr>
<tr>
<td></td>
<td>B</td>
<td>3.40</td>
</tr>
<tr>
<td></td>
<td>Thickness C</td>
<td>0.80</td>
</tr>
<tr>
<td></td>
<td>Radius R</td>
<td>10,000</td>
</tr>
<tr>
<td>Tolerance mm (+/-)</td>
<td>10%</td>
<td>10%</td>
</tr>
<tr>
<td>Zinc Coating Gms/sq. m.</td>
<td>110</td>
<td>180</td>
</tr>
<tr>
<td>Tensile Strength Mpa</td>
<td>300-500</td>
<td>300-500</td>
</tr>
<tr>
<td>Elongation % (MIN.)</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>Resistivity Ohm-cm X 10’max</td>
<td>14.5</td>
<td>14</td>
</tr>
</tbody>
</table>

Applications:
• For armouring various types of power cables.

STITCHING WIRE

Stitching wire is a low-carbon steel wire with a galvanized or tin coating. Stitching wires are used in bindery or finishing departments in the form of saddle stitching, booklet making, side stitching and corner stitching. We manufacture and supply superior grade stitching wire which is durable and is of great use for Corrugated Box Industry. We also produce customized wires as per the exact specifications of the customers.

Specifications:

- Size: 12x25, 13x25, 14x22, 14x25, 17x25

Applications:
• Used for Corrugated Box Industry

EARTH WIRE

Earth Wires are used for grounding operation in the electrical distribution network. The main reason for its usage is ‘safety’. In a wiring installation, the earth wire is used to create an electrical connection to the earth that provides an alternative path to the ground for heavy currents. For low resistance, the metallic parts in the electrical equipment are grounded. If a fault occurs in an electrical system, earth wires help stop electricity that might otherwise flow through the human body as electric shock. Earth wires are made from stranded galvanized high carbon steel wires. They comprise of three to seven strands of such wires. All steel strands are smooth uniform and free from imperfections such as die-marks, scratches and abrasion after drawing and also after stranding. The material is then suitably packed on a wooden drum as per customer’s requirement.

Specifications:

- Size Range: 1.60 mm to 6.30 mm
- Coating Range: Zinc coated – light, medium and heavy
- Tensile Strength range: 45 kgs/ sq. mm to 180 kgs/ sq. mm
- Standard: As per BS 183/ IS 12776
**SPRING STEEL WIRE**

Spring steel is a name given to a wide range of steels used in the manufacture of springs, prominently in automotive and industrial suspension applications. These steels are generally low-alloy manganese, medium-carbon steel or high-carbon steel with very high yield strength.

- **Specification**
  - As per IS:278 (2009)
- **Size**
  - 12X12, 13X13, 14X14 SWG
- **Application**
  - For fencing purpose in following sectors:
    - Farming sector
    - Industrial sector
    - Government Projects

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**BINDING WIRE**

Binding wire is used for binding reinforcement construction. It is made of mild steel inker which takes place in the form of thermal processing annealing.

Binding wire is also called annealed wire. Using excellent quality material, our Binding Wire matches with the high international standards. Binding Wires are mainly used for construction purposes as a tie between bars and in binding materials. Our Binding Wire comes in the form of a coil. We provide Binding Wire in customized specification and packaging. With its excellent performance and high durability, our Binding Wire is high on demand in the market.

- **Specification**
  - Wire Diameter: 0.90 mm to 5.00 mm
  - Weight: 25-200 kgs and as per customer requirement
  - Standard: As per IS 280:2006

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**WELDED WIRE MESH**

Welded Wire Mesh or Weld Mesh is the term given to the kind of barrier fencing that is manufactured in square or rectangular mesh from steel wire, spot welded at each intersection.

It is usually affixed to steel post uprights. Welded mesh is a relatively low-cost fencing solution but has the advantage over chain-link fencing of not bending so easily and not being so easily cut. Welded wire mesh fences are used predominantly as high-security barriers where visibility through the fence is necessary or desirable. It is therefore ideal for fencing in agriculture lands, highway, road sides, green belts, gardens, greenhouses etc.

Wire mesh is also used for reinforcement act as insulation material in the roof, walls and pipe also as rebar in reinforced concrete.

- **Specification**
  - As per customer requirement
- **Mesh Size**
  - 25x25 mm to 150x150 mm
- **Wire Diameter**
  - 1.90 mm to 6.00 mm
- **Application**
  - Fencing solutions
  - Low-cost housing projects
  - Water supply projects
  - Highway projects
  - Cooler manufacturing industry
  - Agriculture produce storage & logistic
  - Concrete reinforcement of slabs
  - Oil, water & gas supply pipelines

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**BARBED WIRE**

Barbed wire is a type of steel fencing wire manufactured with sharp edges or points arranged at precise intervals along the strand(s). It is used to construct less expensive fencing and is used atop walls to protect property. It effectively provides safety from cattle and other animals at ultra low cost. Barbed wire fencing requires only fence posts, wire and fixing devices such as staples or clips. It is simple to construct and quick to erect and easy to install even by a semi skilled person.

- **Specification**
  - As per IS:278 (2009)
- **Size**
  - 12X12, 13X13, 14X14 SWG
- **Application**
  - For fencing purpose in following sectors:
    - Farming sector
    - Industrial sector
    - Government Projects

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HARD DRAWN STEEL WIRE

Hard Drawn Wire is manufactured from low carbon wire rod through a cold-rolled reduction process that increases hardness, tensile strength, proof stress and at the same time rolling a deformed pattern onto the wire.

Standard Specification
IS: 432 Part II

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ultimate tensile stress</td>
<td>570 N/sq.mm</td>
</tr>
<tr>
<td>Proof stress (0.2 %)</td>
<td>480 N/sq.mm</td>
</tr>
<tr>
<td>Size</td>
<td>2.65 - 10.00 mm</td>
</tr>
</tbody>
</table>

Application:
- Spun pipes manufacturing industries
- RCC poles manufacturing industries
- Reinforcement welded wire mesh manufacturing industries
- Road projects

CABLE TAPE

These Tubes are widely used for Power and Industrial boilers, Transformers, Super heaters, Automobiles and Bicycles, Railway Electrification, Furniture and General Engineering industrial uses etc.

Product Variations & Specifications of Galvanized Steel Strips and Tapes

Finish: The surface of Galvanized steel strips is free from scales, seams, Zinc flakes and other surface imperfection. The zinc coating shall be smooth and continuous.

- Thickness: 0.20 mm to 0.90 mm
- Width: 20 mm to 90 mm

General Technical Specifications

- Tensile Strength: 28 to 50 kgf/mm²
- Elongation: Minimum 10% on 254 mm gauge length.
- Zinc Coating: Minimum 110 gm/sqm to 140 gm/sqm (total weight on all four sides).

However, this can be increased to suit customer’s requirements.

- Weighment tolerance: A tolerance of +/- 5% can be accepted by buyer and manufacturer.

Packing Options

Galvanized steel coils are wrapped in strong water proof sea-worthy packing and are in palletized loads. Other types of packing can be done as required.

PC Wire and PC Strand have a wide range of use, such as bridges, crane beams, cement poles, prestressed concrete pressure pipe, multi-factory frame works, subway, railway sleepers, poles, dams, nuclear power plants, high-rise buildings and houses, anchor, railway sleepers, panel, and concrete pipes, etc.
WELDING ELECTRODE

In arc welding, an electrode is used to conduct current through a workpiece to fuse two metal pieces together. For a direct current system, the weld rod or stick may be a cathode for a filling type weld or an anode for other welding processes.

H.D. Wires offers the most comprehensive and advanced range of products for all major industrial sectors. Our products have approvals from reputed engineering consultants and are certified by leading national/ international inspection agencies like Bharat Heavy Electricals Limited and Thermax Limited.

We offer various quality of Welding Electrode:
1. Electrode of General Purpose - AWS: A 5.1/IS 814
2. Electrode for Stainless-steel - AWS: SFA 5.4/IS 5206
3. Electrode for Low Hydrogen Application - AWS: SFA 5.1/IS 814
4. Electrode for Weathering Steel Welding - AWS: SFA 5.1/IS 1395
5. Electrode for Hard Surfacing Application - IS 7303
6. Electrode for Cast Iron Welding - AWS A 5.1
7. Electrode for Cutting & Chamfering

EXCEL

A medium coated rutile type electrode for general purpose fabrication jobs of structural steel. The electrode has pleasant welding characteristics like low degree of spatters, easily detachable slag, and evenly rippled smooth weld contour. This can be easily operated in all conventional positions of welding as per American Welding society. Prime uses of excel are fabrication jobs meant for structural works of buildings, transport vehicles, railway coaches, wagons etc.

YAGYA-13

Yagya-13 is a unique electrode for fabrication works on mild steel and other structural steel. The electrode runs with a smooth flow of molten metal leaving least spatters, effortless slag removal and quiet arc. Weld bead is smooth and shining. Yagya-13 is suitable to operate in all positions of welding (FHVO).

Basic uses of Yagya-13 are fabrication jobs meant for structural welding of furniture, machinery parts, automobile chassis, trailers, tanks, bridges, railway coaches, wagons etc.

YAGYA-13S

Yagya-13S is a superior radiographic quality electrode for fabrication works and other structural applications where sound and ductile weld deposit is required. The electrode runs with a smooth flow of molten metal leaving least spatters, effortless slag removal, and quiet arc. Weld bead is smooth and shining. Yagya-13S is suitable to operate in all positions of welding (FHVO). Basic uses of Yagya-13S are fabrication jobs meant for structural welding of furniture, machinery parts, automobile chassis, trailers, tanks, bridges, railway coaches, wagons etc.

Electrodes for Low Hydrogen Applications:

HD-16

It is hydrogen controlled basic coated radiographic quality electrode which operates superbly on AC (70 V OCV min.) or DC (+) and deposited metal has excellent resistance against cracks. That’s why it is preferred to use on metal rigid sections of mild/medium high tensile steels and cast steels. The steels of unknown composition can be welded by HD-16.

HD-18

HD-18 is a marvelous electrode in the class of low hydrogen, iron powder, high deposition efficiency series of products. This can be easily used in all conventional welding positions (FHVO) with effortless slag removal, tough & ductile bead having a deposition efficiency between 115-120% and radiographic weld quality.

Electrodes for Weathering Steel Welding

HD-ATOM

HD-ATOM is a special purpose electrode meant for weathering steel grades which are widely used in petrochemical industries, railways etc., where resistance against atmospheric corrosion becomes a vital issue. The deposition efficiency of the product is above 115% hence the job takes lesser time to complete. The electrode can be easily used in all conventional welding positions (FHVO) with effortless slag removal, tough & ductile bead of radiographic quality. It operates superbly on AC (70V OCV min.) or DC (+).
APPLICATIONS

MS Wires
1. Condenser Wire
2. Cold Heading Quality Grades for Fastener Industry
3. Wire for Welded Mesh
4. Wire for Cycle Industry
5. Binding Wire

Galvanized Wires
1. Cable Armouring Wire
2. ACSR Core Wire Single
3. ACSR Core Wire Stranded
4. Galvanized Spoke Wire
5. Poultry Mesh
6. Chain Link Fencing
7. Stay Wire
8. Earth Wire

High Carbon Wire
1. Spring Steel Wires
2. Rope Wire
3. Wire Shots
4. Spoke Wire
5. Auto Cable Clutch Wire

MS and GI Welded Mesh
1. Fencing
2. Welded Wire Gabions
3. Concrete Reinforcement
4. Machine Guards
5. Poultry Protection

Our presence around the world

We are best known for our superior quality and goodwill which make our brand a recognized name all across the country. We are proudly associated with many valued MNC customers expanding the export supply of GI wire & Binding wire to International markets including SAARC Nations and Middle East countries.

Our International reach at present:
Distribution Channel
all across the nation

Available
Not Available

OUR CLIENTS

Awards for Excellence
- We have been ranked second for two times in all India based S.M.E. AWARD in engineering segment.
- We have received an Entrepreneur achievement award too.
- Business leadership Award for Industrial Development (Manufacturing/Service) from Indian Achievers’ Forum Delhi in 2015
- Quality mark trust award in the year 2015
- S.M.E. award 2013-14 for securing the second position in engineering segment.

Membership
- Confederation of Indian Industry
- Engineering Export Promotion Council
- Association of Industries, Madhya Pradesh
- Indore Management Association
- Steel Wire Manufacturers Association of India
- All India Weldedmesh Manufacturer’s Association