



ArcelorMittal

ArcelorMittal Bourg-en-Bresse

Cold Rolled Wire

Pressure resistance and mechanical reinforcement of flexible pipes
Flat and mechanical springs.

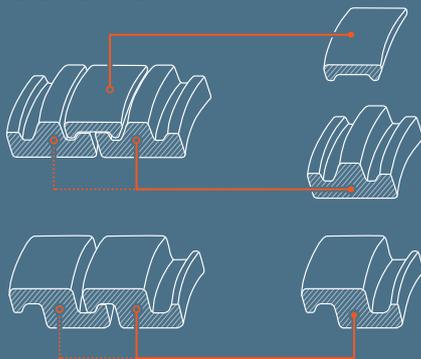


For more than 100 years ArcelorMittal Bourg-en-Bresse, France, has built an international reputation for the manufacture of shaped and flat cold rolled wires for flexible pipes and mechanical springs.

ArcelorMittal Bourg-en-Bresse manufactures an extensive range of steel grades and profiles for use across a variety of different applications including:

- › Offshore industry
- › Transport of oil and gas
- › Energy
- › Utilities

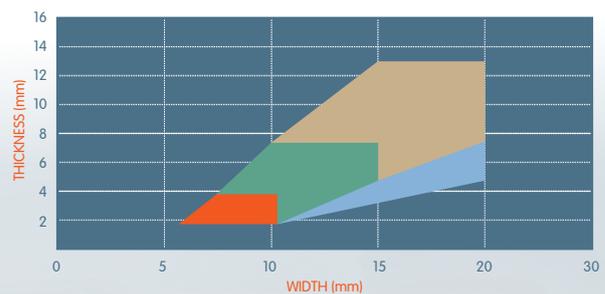
› Example of forms



› Chemical analysis (%)

C	Mn	Si	S	P	Cu
0.35 to 0.90	0.50 to 1.00	0.10 to 0.30	max. 0.025	max. 0.020	max. 0.120

› Mechanical properties



■ UTS: 1500-1700 MPa ■ UTS: 1400-1600 MPa ■ UTS: 1100-1400 MPa ■ UTS: 800-1100 MPa

The chart above shows the mechanical properties according to the wire size.

› Eddy current testing

On request, the surface of the wire can be continuously eddy current tested before packaging. In this case, any detected surface defects can be identified with white paint on a 50cm length.

› Advantages

Our wires can be used for static and dynamic applications with low mechanical stress.

> Big diameters continuous patenting lines developed especially for high carbon wire

Our carbon steel wires are drawn and rolled through a cold process after lead patenting (isothermal quenching) offering excellent and homogeneous mechanical properties.

We are able to produce quenched and tempered wires, with a martensite microstructure, resistant to dynamic solicitations.

> Surface quality

Bright wires/Phosphate coated.

> Packaging

Traverse-wound coils:

Diameter 13-22mm

1000-2500 kg - ID. Ø 650mm - OD .Ø 1100-1500mm - h. 500mm

Delivery on 1000 x 1000mm pallets. Aquilux protection on the pallet and heat-shrinkable plastic cover upon request.

> Labelling:

All our products are individually identified with labels referring to: quality, diameter, cast number, lot number, coil number and coil weight

Certification ; 3.1 certificate, according to EN 10204

ArcelorMittal Bourg-en-Bresse is ISO 9001, ISO 14001 and OHSAS 45001 certified.



Expert support



Guaranteed quality



Your reliable project partner

Why choose ArcelorMittal Cold Rolled Wire:

1. Our Cold Rolled Wire team provides expert advice that is aligned precisely with your applications.
2. Our extensive knowledge of the many forms of steel rolling and drawing have been built up over many years of front-line research and development.
3. Responding to new technological developments and shifts in demand for new applications, ArcelorMittal Cold Rolled Wire is well placed to meet your needs.
4. We advise our customers on our comprehensive product range and the processes and material grades that are necessary to align precisely with your applications.
5. Our vertically integrated business model means that our raw materials, production processes, and sales and logistics services are all undertaken by ArcelorMittal, giving our customers peace of mind and complete confidence in our Cold Rolled Wire products and making us your reliable partner.

All information in this promotional material illustrates products and services in a non-final way and invites further technical or commercial explanation. This is not contractual. © ArcelorMittal April 2022.

IF YOU HAVE QUESTIONS ABOUT COLD ROLLED WIRE,
CONTACT A TECHNICAL EXPERT TODAY.

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