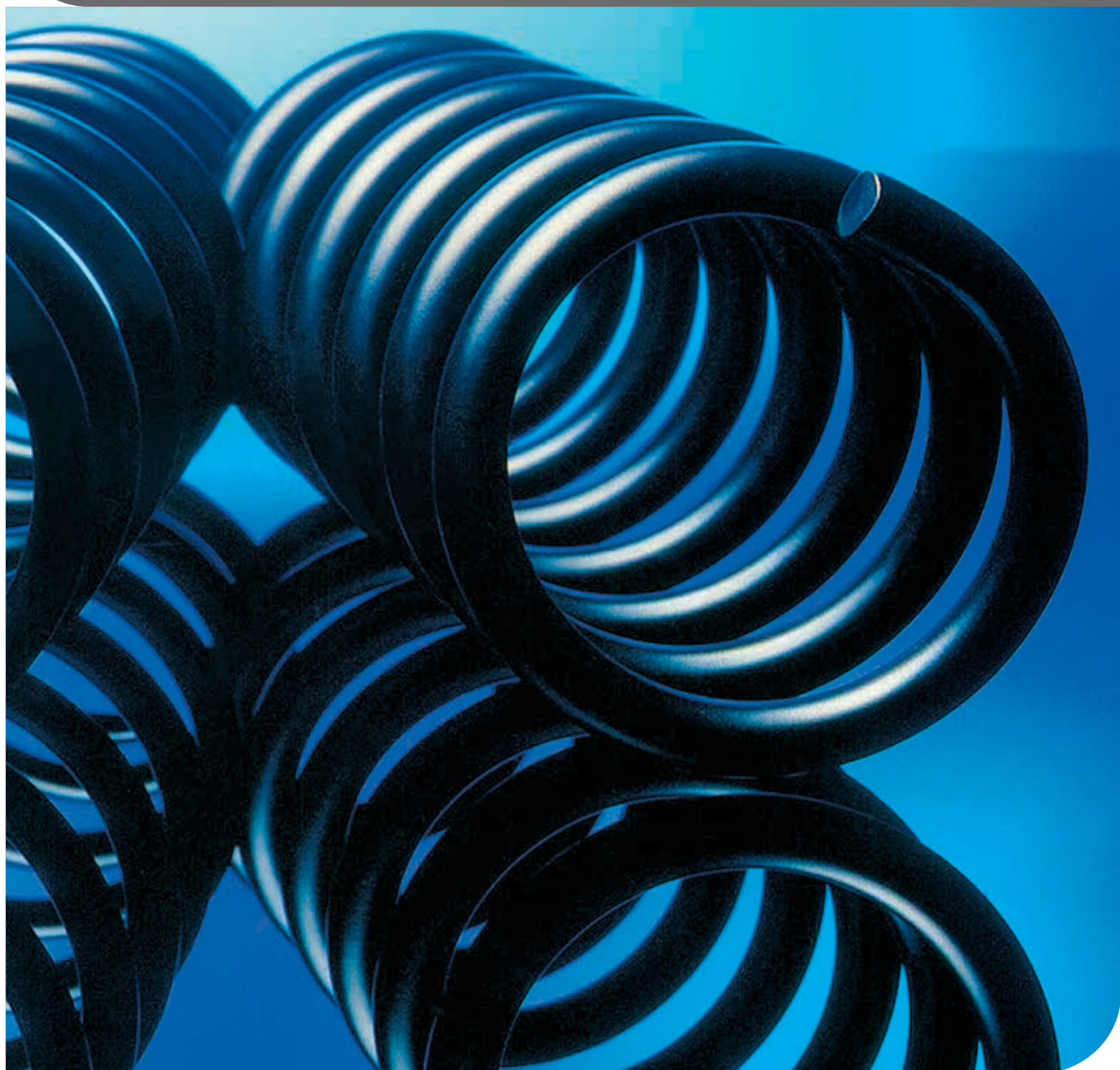


Distribution Solutions  
WireSolutions



ArcelorMittal

ArcelorMittal Commerc  
High carbon wire



# From the world leader in steel and wire solutions

WireSolutions, a subsidiary of ArcelorMittal, is one of the world's largest wire drawers. Its high carbon wires are produced by ArcelorMittal Commercy, located in Eastern France.

Thanks to its ultra modern chemical descaling line, WireSolutions delivers top quality for high carbon wires. Thanks to its large experience in terms of R&D and technical knowhow, WireSolutions is your preferred partner for sustainable industrial solutions. We are proud to fulfill the most demanding requirements with regards to Health, Safety, Environment and Quality.

## High carbon wire

### Product range

#### Wire for springs

▶ Norm	EN 10270-1
▶ SL	Low tensile strength – static application
▶ SM	Medium tensile strength – static application
▶ DM	Medium tensile strength – dynamic application
▶ SH	High tensile strength – static application
▶ DH	High tensile strength – dynamic application
▶ Coating	Phosphated (ph)
▶ Coating	Galvanised (Z)
▶ Coating	Corzal® (Za)

#### Wire for cable housing

▶ Norm	Customer specifications
▶ Coating	Phosphated (ph)
▶ Coating	Galvanised (Z)
▶ Coating	Corzal® (Za)

#### Wire for sieves

▶ Norm	EN 10270-1/SL or customer specifications
▶ Coating	Phosphated (ph)

#### Applications

- ▶ Technical springs
- ▶ Bedding and seating
- ▶ Cables
- ▶ Sieves
- ▶ Cable housing
- ▶ Hose reinforcement
- ▶ Bent components





## Technical characteristics and packaging

### Wire for springs

Quality	Diameter (mm)	Quality	Diameter (mm)	Quality	Diameter (mm)
SL ph	1.00 – 12.50	SL Z	1.20 – 6.00	DM Za	0.90 – 4.00
SM ph	1.00 – 13.00	SM Z	1.20 – 6.00	DH Za	0.70 – 2.70
SH ph	1.20 – 13.00	SH Z	0.40 – 5.50		
DM ph	0.20 – 7.50	DM Z	0.40 – 5.50	ph	phosphated
DH ph	0.20 – 5.50	DH Z	0.40 – 5.50	Z	galvanised
				ZA	Zinc Aluminium (Corzal®)

Diameter (mm)	Packaging*
0.20 – 0.65	Plastic spool K355 20 to 45 kg
0.70 – 2.00	Z2 400 kg — Coil 40 to 200 kg
2.10 < 3.50	Z3 800 kg — Traverse wound coil 1 000 kg — Coil 200 to 300 kg
3.50 < 5.00	Traverse wound coil 1000 kg — Coil 300 to 400 kg
5.00 – 6.50	Traverse wound coil 1000 kg — Coil 500 to 1000 kg
> 6.50 – 13.00	Traverse wound coil 1000 to 2500 kg — Coil 500 to 1000 kg

\* Other packaging upon request

### Cut to length from wire produced according to EN 10270-1

Diameter (mm)	Quality	Length (mm)	Packaging
1.40 – 10.00	SL Z, SL ph; SM Z, SM ph; SH Z, SH ph	200 – 6000	Bulk 1000 kg for length > 1000 mm Crates for length < 1000 mm

### Wire for bedding and seating (bonnell and zig-zag springs)

Diameter (mm)	Packaging
1.40 – 4.00	Orbit wound coil 1000 – 1500 kg for 1.40 – 2.50 mm Traverse wound coil 1000 – 1500 kg for 2.50 – 4.00 mm

### Did you know?

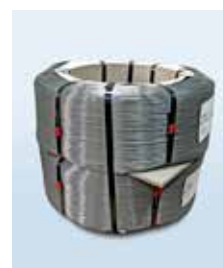
- ▶ All our products are individually identified with labels referring to quality, diameter, batch number and coil number
- ▶ Our products can be protected with plastic wrapping and loaded on to pallets
- ▶ Specific packaging can be offered, please contact us
- ▶ Wire for other applications upon request



Plastic spool K355



Traverse wound coil



Traverse wound coil Z2



Coil



Traverse wound coil Z3



Orbit wound coil



Cut to length in bulk

### Certificate

- ▶ We supply a test certificate which complies with EN 10204-3.1



# ArcelorMittal Commercy

## Everyday, everywhere...

### The best high carbon wires for your applications

Ultra modern chemical descaling line in Commercy: completely automatic and functional, this line is capable of preparing wire rod prior to drawing high and low carbon wires as well as cold heading wires.

#### Customer's benefits

- ▶ Simplified traceability and consistency
- ▶ Regularity of the technical characteristics
- ▶ Increased flexibility of the manufacturing process
- ▶ Reduced production times
- ▶ Increased competitiveness
- ▶ Higher quality products
- ▶ Newly developed product line unique for IWF



#### Specifications

- ▶ Annual capacity: 125,000 tons
- ▶ Coil weight: 3 tons maximum
- ▶ External Ø of coils: 1,400 mm max.
- ▶ All diameters of wire possible



#### Advantages

- ▶ Specific equipment in order to limit loss/waste of energy
- ▶ Various possibilities of surface treatments
- ▶ Electronic system of traceability with specific labelling
- ▶ Automatic process control
- ▶ Fully compliant with all environmental standards



ArcelorMittal Commercy  
Route de Boncourt  
F-55200 Commercy  
T +33 3 29 91 78 27  
F +33 3 29 91 78 61

[www.arcelormittal.com/wiresolutions](http://www.arcelormittal.com/wiresolutions)

Company certified ISO 9001, ISO 14001 and OHSAS 18001

Associated member of:

