

# WIRE



As part of CELSA Group™, our raw material (wire rod) supplier, MRT offers traceability and homogeneity of product, with greater control of raw material supplies.

With 150 years of experience, MRT manufactures a wide range of wire products with multiple options in terms of diameter, resistance, coating and packaging options, and can adapt to specific requirements.

The range is made up of hardware and agricultural wire and wire for industry and processing (large format).

## AGRICULTURE AND HARDWARE STORES WIRE

Possible uses:

- Greenhouses
- Vineyard
- DIY
- Building

### CHARACTERISTICS

Coatings	Diameter (mm)		Delivery format * (kg)
	Minimum	Maximum	
Black annealed	1.20		0.50
Commercial galvanized	0.90	5.90	1.00
Heavy galvanized	1.80	4.80	5.00
Heavy galvanized + ECOVER®	1.80	4.40	25 (rewinded)
ZnAl®	1.40	4.50	35
			40
			50
Galvanized + PVC (by extrusion)	1.60/2.40	3.00/4.40	5.00 ÷ 25

\* The available delivery formats depend on the coating and the diameter.



# INDUSTRY AND TRANSFORMATION WIRE

These are some of the industrial activities in which MRT wire is used due to its technical qualities:

- Manufacture of metallic closures
- Paper industry (wrapping of bales)
- Ornamental applications
- Electronic cables protection
- Manufacture of hangers, straps, staples...
- Rings for filters, metallic nets and others...

## CHARACTERISTICS

### galvanized

#### DIAMETER

Commercial galvanized from 0.90 to 8.26 mm

Heavy galvanized from 0.90 to 4.90 mm

Super heavy galvanized 1.60 a 4.00 mm

ZnAl® from 1.40 to 4.50 mm

#### COATING

Commercial galvanized (Class D)

Heavy galvanized (Class A)

Super heavy galvanized

ZnAl® (Class A, B and AB)

Heavy galvanized + ECOVER®

#### TENSILE STRENGTH

Besides the standard resistances (hard and soft), MRT makes wires with a 165 kg/mm<sup>2</sup> top resistance depending on the wire diameter.

Wire rod drawing, galvanising  
and packaging in-house



Tensile strength (kg/mm <sup>2</sup> )				
Diameter (mm)	Annealed		Hard	
	Class D	Class A	Class D	Class A
0.90 ÷ 1.50	45 ÷ 60	45 ÷ 60	83 ÷ 103	78 ÷ 98
1.60	45 ÷ 55	45 ÷ 55	80 ÷ 100	75 ÷ 95
1.70			80 ÷ 100	75 ÷ 95
1.80			79 ÷ 107	74 ÷ 95
2.00			78 ÷ 102	71 ÷ 93
2.20			77 ÷ 100	69 ÷ 92
2.40			73 ÷ 95	67 ÷ 88
2.70			70 ÷ 91	63 ÷ 86
3.00			66 ÷ 89	61 ÷ 84
3.40			63 ÷ 85	58 ÷ 78
3.90			60 ÷ 80	57 ÷ 77
4.40			59 ÷ 78	56 ÷ 75
4.90			56 ÷ 73	55 ÷ 72
5.40 ÷ 8.26		-	54 ÷ 65	-

Resistances under request.

## PACKAGING

For the coils suspension rings and metallic straps and for the orbits, plastic straps.

**Options:** palletized from 500 kg, wrapped in plastic film or integral packaging (inside and outside).

Coating	Ø wire (mm)		Orbits (kg)						Coils (kg)			
			350* (+50/-100)		500 (± 100)		600÷1.000 (± 100)		1.300 (+0/-200)		1.400 (+0/-200)	
			Ø inside or outside (mm)									
	between	in.	out.	in.	out.	in.	out.	in.	out.	in.	out.	
Commercial galvanized	0.90	1.40	350	550					600 (±25)	850 (±25)	600 (±25)	900 (±25)
	1.50	<3.00			560	740	440 o 520	820 o 780				
	3.00	8.26			520	780						
Heavy galvanized Heavy galvanized + ECOVER®	0.90	1.40	350	550					600 (±25)	850 (±25)	600 (±25)	900 (±25)
	1.50	<3.00			560	740	440 o 520	820 o 780				
	3.00	4.90			520	780						
Super heavy galvanized ZnAl®	1.40	<3.00			560	740	520	780	600 (±25)	850 (±25)	600 (±25)	900 (±25)
	3.00	4.50			520	780						

\*Suspension rings and metallic straps.

## PVC coated

MRT manufactures hard and soft PVC coated wires in the following options:

### DIAMETER

1.60/2.40	1.90/2.90	2.40/3.70
1.60/2.50	1.90/3.00	2.50/3.55
1.60/2.60	2.00/3.00	2.50/3.90
1.60/2.80	2.20/3.25	2.70/3.90
1.80/2.70	2.20/3.40	3.00/4.40
1.80/2.80	2.40/3.40	

### COLOURS

PVC extruded, all colours available, the more popular examples are:

Plastificado verde	Plastificado negro	Plastificado gris	Plastificado blanco
			

### PACKAGING

For PVC coated wire orbits, plastic strapping is used.

**Options:** Wrapped in plastic film.

Orbit insides and outsides diameters (mm)			
500 kg		700 kg	
Inside	Outside	Inside	Outside
340	820	470	820

whatever you need

