

# WIRE



## ☰ CHARACTERISTICS

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 & HARDWARE STORES WIRE

Possible uses:

- Greenhouses
- Vineyard
- DIY
- Building

Coatings	Diameter (mm)		Delivering format
	Minimum	Maximum	
Black soft	1.20	1.30	0.50 Kg.
Commercial galvanized	0.80	5.90	1Kg. 5 Kg.
Heavy galvanized	1.80	4.80	25 Kg.(rewinded)
Heavy galvanized + ECOVER®	2.00	4.40	35 Kg. 40 Kg.
ZnAl®	1.60	4.00	50 Kg.
Galvanized + PVC (by extrusion)	1.60/2.40	3.00/4.40	5 Kg. - 25 Kg.

Other dimensions on request.



## INDUSTRY & 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
- Electroinic cables protection
- Manufacture of hangers, straps, staples ...
- Rings for filters, metallic nets and others..

### Galvanized Wire

#### • Characteristics

<b>Diameter</b>
From 0.70 to 8.26 mm. Commercial and heavy galvanized
From 1.60 to 4.00 mm. Super heavy galvanized and ZnAl®

<b>Coating</b>
Commercial galvanized
Heavy galvanized
Super heavy galvanized
ZnAl (Class A, B and AB)
Heavy galvanized + Ecover®



<b>International standards</b>
MRT is used to work with many international standards such as EN, ASTM, SAE, BS, AS/NZS... in order to adapt to the clients specific needs.

<b>Resistance</b>
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.

RESISTANCES STANDARDS (Kg/mm <sup>2</sup> )				
Diameter (mm)	Soft		Hard	
	Class D	Class A	Class D	Class A
0.70 ÷ 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			-	-

Resistances under request

## • Packaging

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

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

Coating	Ø Wire (mm) Between		Orbit						Coils			
			350 Kg.* (+50/-100)		500 Kg. (± 100)		600÷1000 Kg. (± 100)		1,300 Kg. (+0/-200)		1,400 Kg. (+0/-200)	
			Inside and outside diameters (mm)									
		in.	out.	in.	out.	in.	out.	in.	out.	in.	out.	
Commercial galvanized Heavy galvanized Ecover	0.70	1.40	350	550								
	1.50	<3.00			560	740						
Super heavy galvanized ZnAl®	3.00	8.26			520	780	440	820	600	850	600	900
	1.65	<3.00			560	740	0	0	±25	±25	±25	±25
	3.00	4.00			520	780	520	780				

\*Suspension rings and metallic straps

## Plastified wire

MRT manufactures hard and soft plastified wires in the following options:

## • Characteristics

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



## • Colors

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

Green  White  Grey  Black

## • Packaging

For plastified wire orbits, plastic strapping is used

**Options:** Wrapped in traslucid plastic film

Orbit standard sizes (mm)			
500 Kg.		700Kg.	
Inside	Outside	Inside	Outside
340	820	470	820