

Steel wire UHSS (Ultra high resistance). UHSS steel is especially used for car body work. This material makes it possible to reduce the thickness and the weight while preserving the extreme robustness and the resistance to the collision of the installations.

## ■ Classification

AWS/ASME SFA-5.28 : ER 120 S - Cr  
EN ISO 12534 : Mn4Ni2, 5CrMo

## ■ Applications

- Metal sheets,
- Car body work.

## ■ Benefits

- Ultra high resistance.
- High hardness.
- High elongation.
- Low level of projection (High chemical purity).

## ■ Polarity

DC +

## ■ Chemical properties

| C %  | Si % | -Mn % | Ni % | Mo % | Cr % | V %  |
|------|------|-------|------|------|------|------|
| 0.10 | 0.75 | 1.80  | 2.10 | 0.50 | 0.40 | 0.10 |

## ■ Mechanical properties

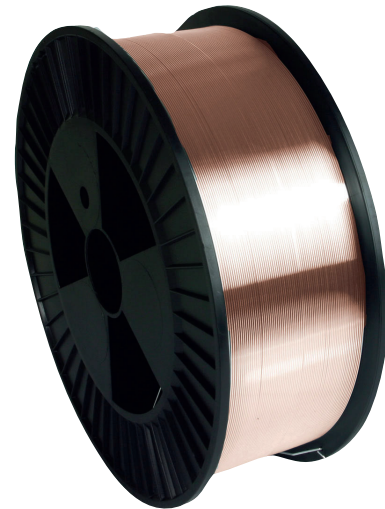
| Re      | Rm       | A 5 d | AV + 20°C |
|---------|----------|-------|-----------|
| 930 Mpa | 1020 Mpa | > 15% | 130 j     |

## ■ Recommendations


Gas protection in compliance with EN ISO 14175  
Argon / CO<sub>2</sub> (0 to 5%) (M11)

## ■ Approval

DB - UDT



## Packaging

| weight (kg) | Wire reel type   |   | Wire diameter (mm) |        |       |       |
|-------------|--|---|--------------------|--------|-------|-------|
|             |  |  | Ø 0.6              | Ø 0.8  | Ø 1.0 | Ø 1.2 |
| 5           | S200   | —   | —                  | 086203 | —     | —     |