



Advanced Material & Metal Compounds

Flexible Welding Rope

Flexible Welding Rope, the surface of nickel core wire is coated by cast tungsten carbide and nickel-based alloy mixture. Cast tungsten carbide is regular shape, high hardness (2200 HV_{0.1}), good wear resistance. Shape of Nickel based alloy mixture is spherical or nearly spherical, good wettability with cast tungsten carbide.



| No. | Item | | Standard Specification | | |
|-----|-----------------------|-------|------------------------|-------|------------------|
| | | | Dia. (mm) | CWC % | Ni based alloy % |
| 1 | Flexible Welding Rope | | | | |
| 2 | TC6500 | TC65B | 4.0 | 65 | 35 |
| | | TC65C | 5.0 | 65 | 35 |
| | | TC65E | 6.0 | 65 | 35 |
| | | TC65F | 8.0 | 65 | 35 |
| 3 | HRC | | ≥60 | | |
| 4 | Packing | | In plywood case | | |

Cemented Carbide Composite Rod

Cemented Carbide Composite Rod, cemented carbide or crushed cemented carbide particle is sintered with nickel/silver (copper) alloy. Sharp cemented carbide and crushed cemented carbide particle have good wear resistance and cutting property.



| No. | Item | | Standard Specification | | |
|-----|---------------|------|---|--------------------|--------------|
| | | | WC grit size (mm) | Cemented Carbide % | Ni/Ag (Cu) % |
| 1 | Composite Rod | | | | |
| 2 | Grade | TC64 | 1.6-3.2 | 60-70 | 30-40 |
| | | | 3.2-4.8 | 60-70 | 30-40 |
| | | | 4.8-6.4 | 60-70 | 30-40 |
| | | | 6.4-8.0 | 60-70 | 30-40 |
| | | | 8.0-9.5 | 60-70 | 30-40 |
| 3 | Weight | | 500g | | |
| 4 | Length | | 450mm | | |
| 5 | Packing | | 25kg in plywood case, 500kg/1000kg on pallet. | | |