

## R-45

### Copper coated cut length solid wire for Oxyfuel gas welding.

**CLASSIFICATION** : AWS : SFA/A 5.2 R 45

**CHARACTERISTICS** : R 45, A general purpose Copper coated welding rods are used for the oxyfuel gas welding of carbon steels, rods have a low carbon steel composition.

**APPLICATION** : where the minimum tensile strength requirement of the steel does not exceed 300 N/mm<sup>2</sup>.

**SHIELDING GAS** : ox fuel gas

#### CHEMICAL COMPOSITION % (solid rod chemistry)

C	Mn	Si	S	P	Cu
0.080 max.	0.50 Max.	0.10 Max.	0.040 Max	0.035 Max	0.30 Max.

#### ALL WELD MECHANICAL PROPERTIES (under Oxyfuel Gas shield)

YS (N/mm <sup>2</sup> )	UTS (N/mm <sup>2</sup> )	EL %	CHARPY "V" NOTCH IMPACT AT
270 Min.	300 Min.	22.0 Min.	0°C : 27 J Min

#### DIEMENSION & PACKING DATA

Size(mm)	Size(inch)	Length (mm)	Length (inch)	Tube packing 5 kg	Box packing 20 kg
1.60	1/ 16"	1000	36"	√	√
2.0	5/ 64"	1000	36"	√	√
2.4/ 2.5	3/ 32"	1000	36"	√	√
3.2	1/ 8"	1000	36"	√	√
4.0	5/ 32"	1000	36"	√	√

**Raajratna** offer a wide range of copper coated welding wires for MIG/TIG/SA welding.

Customer packing on request.