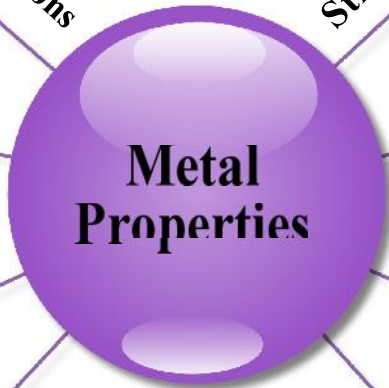


**Frank Whelan  
Athy College**

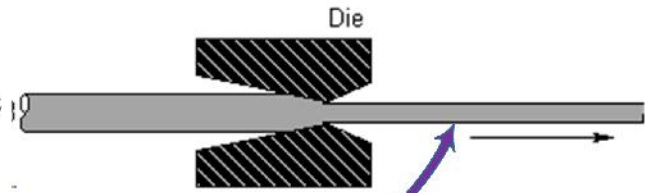


**Copper tank**

**Malleability**

*Stretch easily in all directions*

**Pulling aluminium wire**



**Ductility**

*Stretch easily lengthwise*

**Elasticity**

*Stretches easily but can return to its original shape*



**Spring**

*Resists marking*

**Hardness**



**Cutting Tools**

*Breaks easily*

**Brittleness**



**Cast Iron bar**

*Withstands blows*

**Toughness**

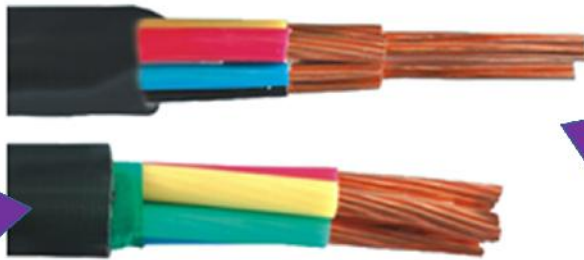


**Ball Hitch**

*Prevents heat/electric flow*

**Insulator**

**Plastic cover**



*Allows heat/electric flow*

**Conductor**

**Copper wire**

