

Prod Control Cable

Product Description:

The **Prod Control Cable** is a high-quality, durable cable designed for **Magnetic Particle Inspection (MPI)** and other **Non-Destructive Testing (NDT)** applications. It is used to provide **reliable electrical contact** between the power source and the testing prods, ensuring efficient current flow for accurate flaw detection. This cable is commonly used in **field inspections, welding inspections, and high-current MPI applications.**



Key Features:

- ✓ **High-Conductivity Core** – Ensures consistent and efficient current transfer.
- ✓ **Heavy-Duty Insulation** – Provides **high resistance to heat, oil, and mechanical wear.**
- ✓ **Flexible & Durable Design** – Allows for easy handling and maneuverability in testing environments.
- ✓ **High Current Capacity** – Suitable for **AC or DC MPI** systems.
- ✓ **Available in Various Lengths** – Customizable cable lengths to meet specific testing requirements.

Technical Data Sheet:

Parameter	Specification
Material	Copper Core with Insulated Outer Sheath
Insulation Type	High-Temperature Rubber or PVC
Cable Length	Standard: 3m, 5m, 10m (Custom lengths available)
Current Rating	Typically, 500A – 1000A (varies by model)
Voltage Rating	Up to 600V
Temperature Range	-20°C to 90°C
Resistance	Heat, Oil, and Abrasion Resistant
Connector Type	Compatible with standard MPI prods
Compliance	ASTM E709, ASTM E1444, ASME Section V

Applications:

- ◆ Magnetic Particle Testing (MPI)
- ◆ Welding & Structural Inspections

- ◆ Aerospace & Automotive NDT
- ◆ Pipeline & Pressure Vessel Testing