Belden Equivalent 8791 PVC 300V



Description

Belden 8791 equivalent cable is a 3-Core 18 AWG Screened Instrumentation Cable. It features three 18 AWG stranded tinned copper conductors with Polyvinyl Chloride (PVC) insulation for low-voltage signals and control applications. To mitigate electromagnetic interference (EMI) in congested electrical enclosures, the conductors are protected by an overall tinned copper spiral wrapped shield providing 80% coverage.

The cable is engineered for internal installations and dry environments, operating efficiently within a standard voltage rating of 450V and a temperature range of -30°C to +75°C, extending up to 80°C in stationary setups. The cable has a bending radius of 66mm and for proper installation, the cable must be handled carefully, with the flexible tinned copper spiral shield correctly terminated inside electrical enclosures or control panels to block EMI.

These cables are suited for installation in internal, dry environments only where there is no risk of moisture or atmospheric exposure. To maintain signal integrity, the cable should be routed away from power circuits.

Key Features

Voltage Rating
300 Volts

Core Colours

Black | White | Red

Standards

Construction

- **Conductor**: Tinned copper conductor
- **Insulation**: Polyvinyl Chloride (PVC)
- **Armour**: Tinned copper wire braid (TCWB)
- **Outer Sheath**: Polyvinyl Chloride (PVC)
- **Sheath Colour**: Dark Grey

Training & Testing Lab

AN ISO/IEC 17025 ACCREDITED FACILITY

Cleveland Cable Test & Training Lab
Our state-of-the-art cable testing facility ensures that every cable meets the highest standards of quality and compliance through continuous, rigorous testing.

ISO/IEC 17025 Accredited Testing Laboratory
UKAS TESTING 31196

CPR
Cleveland Cable Company is committed to compliance with the Construction Products Regulation (CPR). Where applicable, all cables manufactured after 1st July 2017 have been assessed in accordance with CPR requirements, with full supporting documentation available.

Our Sustainability Commitment

We are committed to the journey to Net Zero as a business partner, an employer and a community member.

By thinking and acting sustainably, we deliver excellent customer service while reducing carbon emissions in collaboration with our customers and suppliers.

ecovadis
Cleveland Cable Company has been independently assessed by EcoVadis, a globally recognised provider of business sustainability ratings. Our score places us among the top 35% of companies evaluated worldwide, reflecting our strong commitment to environmental, social, and ethical performance

Belden Equivalent 8791 PVC 300V - Dimensions

Reference	AWG Stranding	No Of Cores	Insulation Thickness (mm)	Sheath Thickness (mm)	Overall Diameter(mm)	Diameter of Strands (mm)
CD8791PVC	AWG 18(7)	3	0.60	0.70	6.60	0.40

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