



Reduce inventory costs with the Weld-Slag and Oil-Resistant (WSOR) Cable, a single-cable solution providing the industry's widest cross-section offering and designed to withstand the harsh environments found in automotive and industrial factory floors

The Weld-Slag and Oil-Resistant (WSOR) Cable delivers high flex and torsion performance and supports a wide range of temperatures found in machine-builder applications. The cable is designed for use in multiple harsh-environment applications, from welding to cutting-oil environments, and can be terminated to a variety of industry-standard connectors including Brad® M12 Power, Brad® Nano-Change® M8, Brad® Mini-Change®, DIN, Brad® M23 and networks such as PROFINET*.

Features and Benefits

Weld-slag and oil-resistant outer jacket cable

Withstands a variety of harsh environments for use in multiple applications. Meets UL 758/1581 and VDE 472-803/B specifications for harsh environment applications

Temperature ranges for multiple applications, including static -40 to +90°C, dynamic -25 to +80°C and drag-chain -5 to +60°C

Withstands wide temperature ranges

Conductor cross sections: 0.25, 0.34, 0.50 and 0.75 to 1.50mm²

Provides the industry's widest cross-section offering for use in a variety of applications, from sensors and valves to networks

Highly flexible cables with bend radius specifications of 5x outside diameter for static and 7.5x outside diameter for dynamic and drag chain conditions

Enables multiple design options in drag-chain applications

Outer jacket available in four colors; additional colors available upon request

Provides a variety of color options for a range of markets and applications

Certified flame retardant according to IEC 60332-1, CSA FT1, UL Vertical Flame Test UL21215

Ensures safety for out-of-the-cabinet use

Hydrolysis resistant (EN50396); UV resistant (UL1581-300h); tear resistant (EN50396)

Withstands severe conditions in multiple harsh environments

**PRELIMINARY
Weld-Slag and
Oil-Resistant
(WSOR) Cable**

Brad® M12 Power Cable

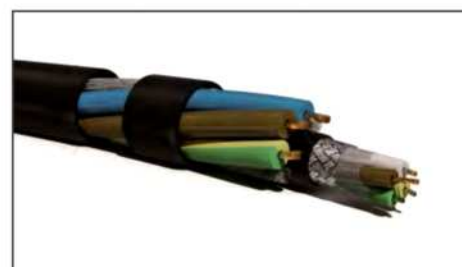
Brad® Nano-Change® M8 Cable

Brad® Mini-Change® Cable

DIN Cable

Brad® M23 Cable

Networks (PROFINET*)



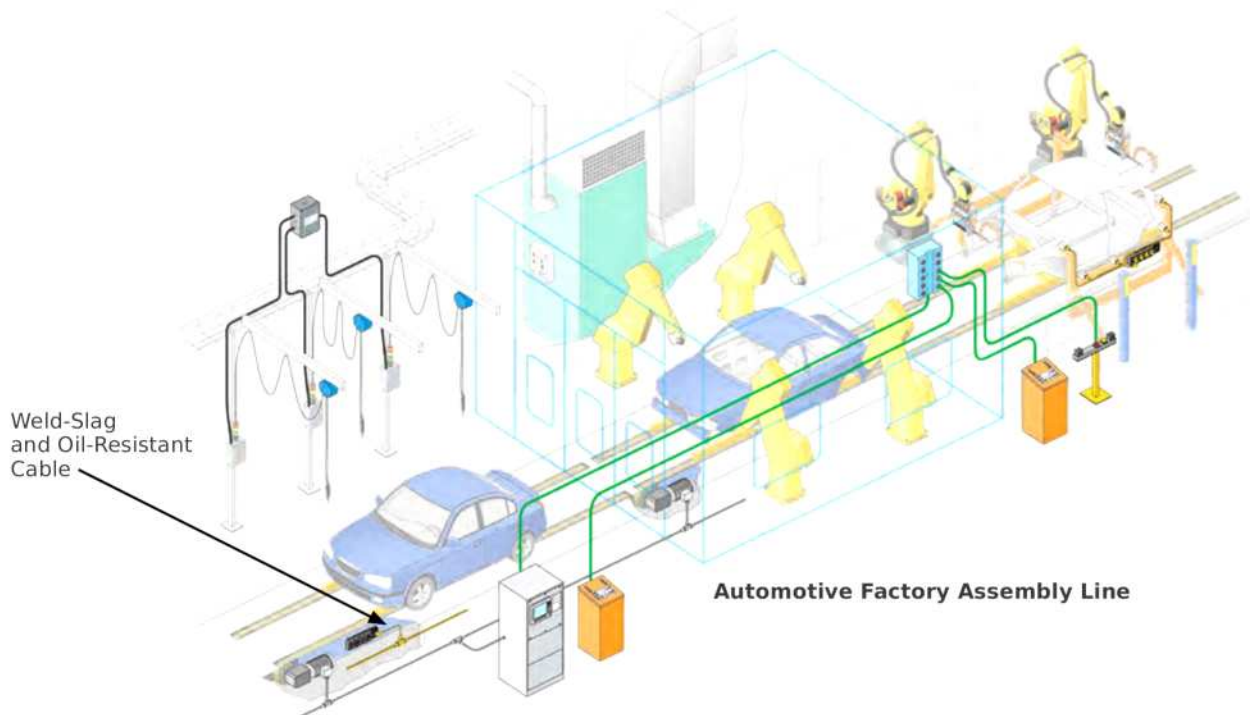
Weld-Slag and Oil-Resistant (WSOR) Cable

*PROFINET is a registered trademark of PROFIBUS and PROFINET International (PI)



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Applications

Industrial Automation — Line and Machine Builders

- Sensors: Brad® M12 connectors
- Valves: DIN connectors
- Ethernet: Brad® M12 connectors
- Auxiliary Power: Brad® Mini-Change® connectors

Industrial Factory Automation

- Material handling

Non Automotive/Commercial Vehicles

Brad® Nano-Change® M8 connectors



Industrial Automation Assembly Line



WSOR cables covered and undamaged by weld slags



WSOR cable during S300 welding test