

## Product Profile

# Rugged New Cordsets and Patchcords Withstand the Elements and Reduce Downtime

## A Full Line of Cabling Options for the Toughest Industrial Applications

The success of a product line can be gauged not only by its ability to address the bulk of applications, but its ability to address the toughest. As Rockwell Automation's Allen-Bradley Connection Systems offering expands, so does its ability to address the growing number of applications requiring rugged, specialized components. With the release of the new Allen-Bradley ToughLink™ and ToughWeld™ cordsets and patchcords, Rockwell Automation introduces the next generation in industrial-strength connectivity solutions.

### The Link Between Toughness and Flexibility

When the Allen-Bradley 871TM all-stainless steel proximity sensor was introduced, it quickly became known throughout the industry as the toughest sensor on the market. It had cabling to match thanks to its ToughLink cable, a rugged, yet pliable, 4-conductor 22AWG option ideal for automotive and machine tool applications.

The cable's proven toughness and flexibility has led to the development of a full line of ToughLink patchcords and cordsets. These cables are available in a variety of lengths with straight or right angle DC Micro connectors. The proprietary TPE-based jacket makes ToughLink impervious to the most common cutting fluids and suitable for use in temperatures as low as -40 degrees.



### Hanging Tough in Welding Applications

Some time ago Rockwell Automation introduced the 871Z, the benchmark in proximity sensors for use in welding and automotive applications. Immune to weld slag buildup and the magnetic fields associated with those applications, the 871Z was aptly outfitted with ToughWeld cable—a connectivity option designed specifically for the demanding environment.

The cable's unsurpassed ability to withstand adverse conditions led to the development of a full line of ToughWeld cordsets and patchcords. Available in DC Micro and AC Micro connection styles in a variety of lengths, ToughWeld cables have been further enhanced with epoxy coated coupling nuts that resist weld slag buildup.

## ToughLink Cordsets & Patchcords



Example Applications/Industries:

- Automotive
- Machine Tool
- Cutting Oils & Coolants
- Cold Temperature

## General Ordering Information

### DC Micro (M12) Style Connectors

Configuration	Part Number
<b>Cordsets (single ended)</b>	
Straight Female to Conductor	889D-F4HC-x
Right Angle Female to Conductor	889D-R4HC-x
<b>Patchcords (dual ended)</b>	
Straight Male to Straight Female	889D-F4HCDM-x
Straight Male to Right Angle Female	889D-R4HCDM-x
Right Angle Male to Straight Female	889D-F4HCDE-x
Right Angle Male to Right Angle Female	889D-R4HCDE-x

x = length in meters. Cordset standard lengths = 2, 5, 10  
Patchcord standard lengths = 1, 2, 3, 5, 10

## ToughWeld Cordsets & Patchcords



Example Applications/Industries:

- Automotive
- Welding

## General Ordering Information

### DC Micro (M12) Style Connectors

Configuration	Part Number
<b>Cordsets (single ended)</b>	
Straight Female to Conductor	889D-F4WE-x
Right Angle Female to Conductor	889D-R4WE-x
<b>Patchcords (dual ended)</b>	
Straight Male to Straight Female	889D-F4WEDM-x
Straight Male to Right Angle Female	889D-R4WEDM-x
Right Angle Male to Straight Female	889D-F4WEDE-x
Right Angle Male to Right Angle Female	889D-R4WEDE-x

x = length in meters. Cordset standard lengths = 2, 5, 10;  
Patchcord standard lengths = 1, 2, 3, 5, 10

### AC Micro (dual keyway) Style Connectors

Configuration	Part Number
<b>Cordsets (single ended)</b>	
Straight Female to Conductor	889R-F3WEA-x
Right Angle Female to Conductor	889R-R3WEA-x
<b>Patchcords (dual ended)</b>	
Right Angle Male to Right Angle Female	889R-F3WERM-y

x = length in meters. Cordset standard lengths = 2, 5, 10  
y = length in feet. Patchcord standard lengths = 3F, 6F, 9F, 12F, 20F

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