

Weld Slag Resistant Aramid M12 Cordsets



Weld Slag Resistant M12 Cordsets

Turck's new aramid jacketed M12 cordsets are the ideal solution for tough welding applications. These cables are protected by an aramid over-braid (comparable to Kevlar®), which safeguards the inner jacket and conductors from short circuits due to weld sparks and weld slag buildup.

From the results of comparative weld slag testing, many other cable jacket materials commonly used in welding applications showed some level of pitting and cracking of the cable jacket, while Turck's aramid cable showed no signs of any material degradation. In addition, the cable is capable of tolerating short-term temperature spikes of up to 200 °C.

The integrated aramid over-braid eliminates any additional installation time that would typically be required with

other commonly used protective weld sleeves. Since the over-braid is retained by the overmolded plug body, it is also significantly more secure than other sleeve types. The intricate weave of the over-braid eliminates any potential gaps in protection, reduces catch points with moving parts, and is capable of a smaller bend radius, resulting in a less bulky solution that saves space in the welding cell. The aramid cordsets are also an excellent choice for motion applications, with over 3 million cycles of flex testing with no signs of degradation.

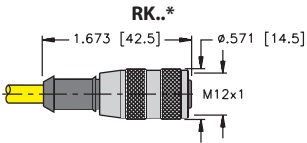
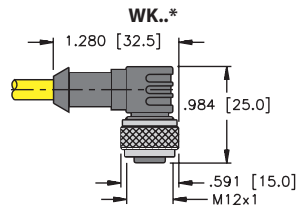
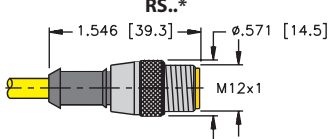
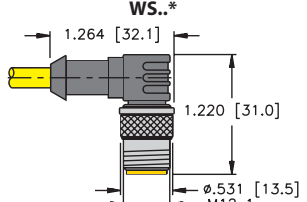
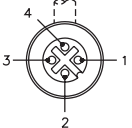
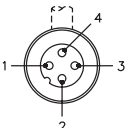
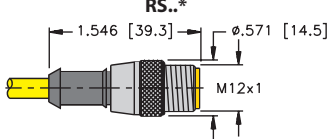
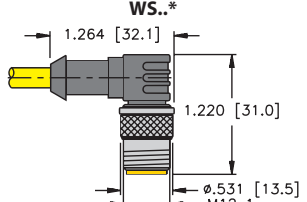
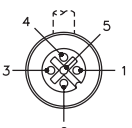
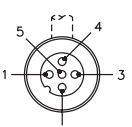
Turck's aramid jacketed M12 cordsets are available in 3-, 4-, and 5-pin A-coded M12 straight and right-angled cordsets and splitters. Please refer to the backside of this flyer to configure your cordset.

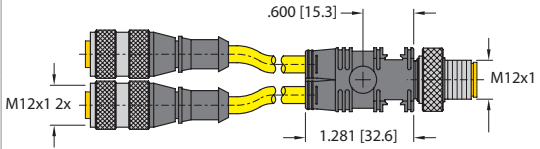
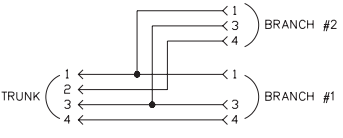
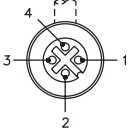
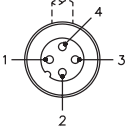
Advantages

- 4 A, 250 V
- UL 2238 listed
- CE compliant
- IEC IP67 protection
- Yellow aramid overbraid
- Weld slag immune
- Abrasion resistant
- Lower cost than silicone
- Tolerates temperature spikes up to 200 °C
- Any length you need

Weld Slag Resistant M12 Cordsets

Standard Offering

Dimension Drawings	Female	Male	Features	Pinout Color	Pinouts
   	RK 4.4T-*/S3415 WK 4.4T-*/S3415	RS 4.4T-*/S3415 WS 4.4T-*/S3415	Yellow aramid overbraid, AWM TPE black, 4x22 AWG, 105 °C, 5.1 mm OD.	1. BN 2. WH 3. BU 4. BK	 Female 4-pin  Male 4-pin
 	RK 4.5T-*/S3415 WK 4.5T-*/S3415	RS 4.5T-*/S3415 WS 4.5T-*/S3415	Yellow aramid overbraid, AWM TPE black, 5x22 AWG, 105 °C, 5.7 mm OD.	1. BN 2. WH 3. BU 4. BK 5. GY	 Female 5-pin  Male 5-pin

Dimension Drawings	Part Number	Features	Wiring Diagrams	Pinouts
	VBRS 4.4-2RK 4T-*/S3415	Yellow aramid overbraid, AWM TPE black, 3x22 AWG, 105 °C, 5.1 mm OD. Combine two sensors into one cable. Connects directly to Eurofast junction box.		 Female 4-pin  Male 4-pin

* Length in meters. Standard cable lengths are 2, 4, 5, 8, 10. Consult factory for other lengths. For extension cables, female end comes first. ie.: RK 4.4T-*/RS 4.4T-*/S3415. To add mounting hole to the splitter, add /S857 to the end of the part number.