



SURE-SEAL[®] PRODUCT OVERVIEW



INDUSTRIAL INTERCONNECTS

The demand for high performance and versatile designs for use in harsh environments and industrial applications requires robust interconnect solutions. Sure-Seal® products are developed specifically to perform reliably and safely, while resisting contamination, moisture and vibration. Sure-Seal® Industrial Connectors and Cable Assemblies are rugged and highly reliable.

Standard configurations are available for USB 2.0 & 3.0, RJ45, HDMI, M Series, Sure-Seal, Standard K & Single Pole Power Connectors, all designed for use in extreme conditions.

Applications

- Industrial Automation
- Marine
- Agriculture
- Energy
- Communication
- Medical
- Robotics
- Transportation

Custom Capabilities

Due to the high demands of modern applications, Sure-Seal products proudly offer the capability to provide bespoke reliable solutions for a wide range of harsh environments. Custom capabilities can range from simple changes to a standard product, such as length and termination combinations, to more complicated requirements including custom cables and connectors.

Sure-Seal products are developed in partnership with our customers to deliver robust solutions quickly, designed for the most demanding of applications.



USB SERIES



- USB 2.0 & 3.0 Standard
- IP67 Panel mount receptacles with options: PC tail, flying lead bulkhead in A and B type interfaces
- Molded cable assemblies available in standard and customized lengths
- Operating Temperature Range:
 - 20°C to 80°C (Wire leads)
 - 40°C to 85°C (Connector)
- Housing Material:
 - Composite - Nylon + GF, Black
 - Metal - Zinc Alloy, Nickel Plated

RF SERIES



- Fully compatible with MIL-STD-348B w/change 2
- Suitable for Flexible, Semi-Flexible and Semi-Rigid Cable
- Crimp, Clamp, Twist-on, Direct Soldering
- Pin-in-Pin (Specialized for Mini Coaxial Cable, 1.13, 1.32, 1.37, 0.81)
- PCB, End Launch Edge Mount, SMT
- Standard and Bespoke RF Connector
- Tailored for IP68
- BNC, TNC, MMCX, Micro BNC and more for connectors and cable assemblies

RJ45 SERIES



- IP67 Panel mount receptacles with options: PC tail, flying lead bulkhead in A and B type interfaces
- Molded cable assemblies available in standard and customized lengths
- Meets TIA/EIA-568 Category 5E requirements
- Operating Temperature Range:
 - 20°C to 80°C (Wire leads)
 - 40°C to 85°C (Connector)
- Housing Material:
 - Composite - Nylon + GF, Black
 - Metal - Zinc Alloy, Nickel Plated

HDMI SERIES



- IP67 Panel mount receptacles with options: PC tail, flying lead, coupler types
- Molded cable assemblies available in standard and customized lengths
- Meets HDMI Type A requirements
- Operating Temperature Range:
 - 20°C to 80°C (Wire leads)
 - 40°C to 85°C (Connector)
- Housing Material: Nylon + GF, Black

M5 SERIES



- IP67 Panel mount receptacles with options: solder cup, PC tail, flying lead types
- Molded cable assemblies in PVC or PUR in standard and customized lengths
- Available in 3 and 4 poles
- Meets IEC-61076-2-105 standard
- Operating Temperature Range:
 - 10°C to 80°C (Wire leads)
 - 25°C to 90°C (Connector)
- Coding: A

M8 SERIES



- IP67 Panel mount receptacles with options: solder cup, PC tail, flying lead types
- Molded cable assemblies in PVC or PUR in standard and customized lengths
- Available in 3 to 8 pole configurations
- Meets IEC-61076-2-104 standard
- Operating Temperature Range:
 - 10°C to 80°C (Wire leads)
 - 25°C to 90°C (Connector)
- Codings: A, B

M12 SERIES



- IP67 Panel mount receptacles with options: solder cup, PC tail, flying lead types
- Molded cable assemblies in PVC or PUR in standard and customized lengths
- Available in 3 to 17 pole configurations
- Meets IEC-61076-2-101 standard
- Operating Temperature Range:
 - 10°C to 80°C (Wire leads)
 - 25°C to 90°C (Connector)
- Codings: A, B, C, D, X, S, T, K, L, Y

M16 SERIES



- IP67 Panel mount receptacles with front and rear fastening options
- Molded cable assemblies in PVC or PUR in standard and customized lengths
- Available in 2 to 19 pole configurations
- Meets IEC-61076-2-106 standard
- Operating Temperature Range:
 - 10°C to 70°C (Wire leads)
 - 25°C to 70°C (Connector)

M20 SERIES



- Molded cable assemblies available in EPDM rubber
- Available in a hybrid 3 power + 5 signal pole configuration
- Operating Temperature Range:
 - 40°C to 80°C (Fixed)
 - 20°C to 80°C (Flexible)

M23 SERIES



- IP67 Power & Signal Connectors Available in Molded Cable, Field Wireable & Panel mount configurations
- Molded cable assemblies in PVC or PUR in standard and customized lengths
- Available in a variety of insert configurations
- Operating Temperature Range:
 - 10°C to 80°C (Wire leads)
 - 25°C to 90°C (Connector)

M-Series Coding Breakdown

A = Sensors, dc power	D = 100 Mbit Ethernet	T = dc power
B = Profibus	X = 10 Gbit Ethernet	S = ac power
C = ac power		

STANDARD K CONNECTOR



- 2-110 Pin Insert Configurations
- Keyway and insert rotations available to prevent mismatching
- Straight and 90 Degree offerings for both plug and receptacle styles
- Operating Temperature Range: -55°C to 125°C
- Housing Material: Clear Chromate over Cadmium or Electroless Nickel

SURE-SEAL CONNECTOR



- IP67 & DIN 400 50 Environments
- Standard, Mini & Power configurations are available
- Excellent resistance to brake fluids, gasoline, anti-freeze & steam
- Operating Temperature Range: -40°C to +105°C
- Housing Material: PVC Nitrile standard, also available in silicone & EPDM

SINGLE POLE POWER



- IP67 Plug and Receptacle connectors available in both Source and Drain configurations
- Color coded & mechanically keyed to prevent connection errors
- European, UK, Australia & US Single and Three Phase Color codes are available
- 800A Maximum Rating
505A UL Rating
- Operating Temperature Range: -30°C to 125°C (Connector)
- UL & CSA Approved



Corporate Headquarters, Philadelphia, PA



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