





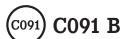
C091 (M16) Family



Available in 2 thru 8, 12 and 14 Position

Amphenol's **C091 (M16 Size) Family** of circular DIN connectors and cable assemblies are available in 4 different series (**A, B, D and D+**) with a threaded or bayonet locking option offering environmental protection up to IP69K when mated. The compact design provides excellent EMI shielding capability ensuring the highest integrity for power and signal connections. The modular structure of the series enables a broad field of applications in diverse temperature ranges and many types for 4G/5G mobile radio networks, establishing the C091 (M16) Family as the recognized industry standard.









Potential Applications

High Resolution Inspection Equipment, Industrial Ink Jet Printers, Heavy Equipment, Agriculture, Construction, Transportation, Off-Road Recreation, Industrial, Automation, Conveyors, Packaging Machinery, Motion Control, Servo Motors, Entertainment, Medical, and Wireless Infrastructure





Available in 4, 5 and 6 Position

Amphenol's **C091 (M16 Size) AISG/RET Cable Assemblies** for outdoor use meet all the requirements for extreme outdoor use. System coupling integrity, temperature, salt mist, and UV resistance are a few of the important criteria a connector must meet. Our AISG connectors are manufactured according to the AISG Standard (AISG C 485). Amphenol has set the standards with our C091 circular connector series. Compatible with industry cables from Andrew, Kathrein, Scala, Ericsson, Alcatel Lucent (ALU), Huawei, Kaelus, RFS, KMW, and many others.

First in the market as original innovators of AISG connector systems, we manufacture durable cable assemblies for antennas that are in service for several years in some of the harshest environments on the planet.

Potential Applications

Wireless Infrastructure, Harsh Environment









Standard products. Custom solutions Customer Service +1 800 394 7732

Individual C091 Series Comparison Chart

| Series | ©091 CO91 A | ©091 C091 B | ©091 D | ©091 C091 D+ |
|-----------------------|--|--|--|--|
| lmage | | | | |
| Positions | 2 thru 8, 12 and 14 | 3 thru 8, 12 and 14 | 3 thru 8, 12 and 14 | 3 thru 8, 12 and 14 |
| Current Rating | 2-3 pos: 10A; 5-8 pos: 7A; 12-14 pos: 3A | 3-4 pos: 10A; 5-8 pos: 7A; 12-14 pos: 3A | 3-4 pos: 10A; 5-8 pos: 7A; 12-14 pos: 3A | 3-4 pos: 10A; 5-8 pos: 7A; 12-14 pos: 3A |
| Operating Voltage | Up to 300V per IEC 60664-1 Standard |
| Temperature Range | -40°C to +100°C | -40°C to +100°C | -40°C to +100°C | -40°C to +100°C |
| Coupling System | Metal Screw | Plastic Bayonet | Metal Screw | Metal Screw |
| IP Rating | IP40 mated | IP40 mated | IP65/67/69K mated | IP68/69K mated |
| Dielectric Material | Thermoplastic | Thermoplastic | Metal | Metal |
| Housing Material | Brass or Zinc Die-Cast, Nickel Plated, or Thermoplast |
| Contact Plating | Silver/Gold | Silver/Gold | Silver/Gold | Silver/Gold |
| Shieldable | Yes | No | Yes | Yes |
| Contact Termination | Solder, Crimp | Solder, Crimp | Solder, Crimp | Solder, Crimp |
| Contact Types | Machined; Stamped & Formed; Solder and PC Tail | Machined; Stamped & Formed; Solder and PC Tail | Machined; Stamped & Formed; Solder and PC Tail | Machined; Stamped & Formed; Solder and PC Tail |
| AWG Range | 18 thru 28AWG | 18 thru 28AWG | 18 thru 28AWG | 18 thru 28AWG |
| Insulation Resistance | > 10 Ω | > 10 Ω | > 10 Ω | > 10 Ω |
| Contact Resistance | < 5 m Ω | < 5 m Ω | < 5 m Ω | < 5 m Ω |
| Mating Cycles | Silver ≥ 500; Gold ≥1000 |
| Flammability | UL 94 V0 | UL 94 V0 | UL 94 V0 | UL 94 V0 |
| Corrosion Resistance | 720h (Salt Spray) | 720h (Salt Spray) | 720h (Salt Spray) | 720h (Salt Spray) |