

Amphenol Wireless Infrastructure



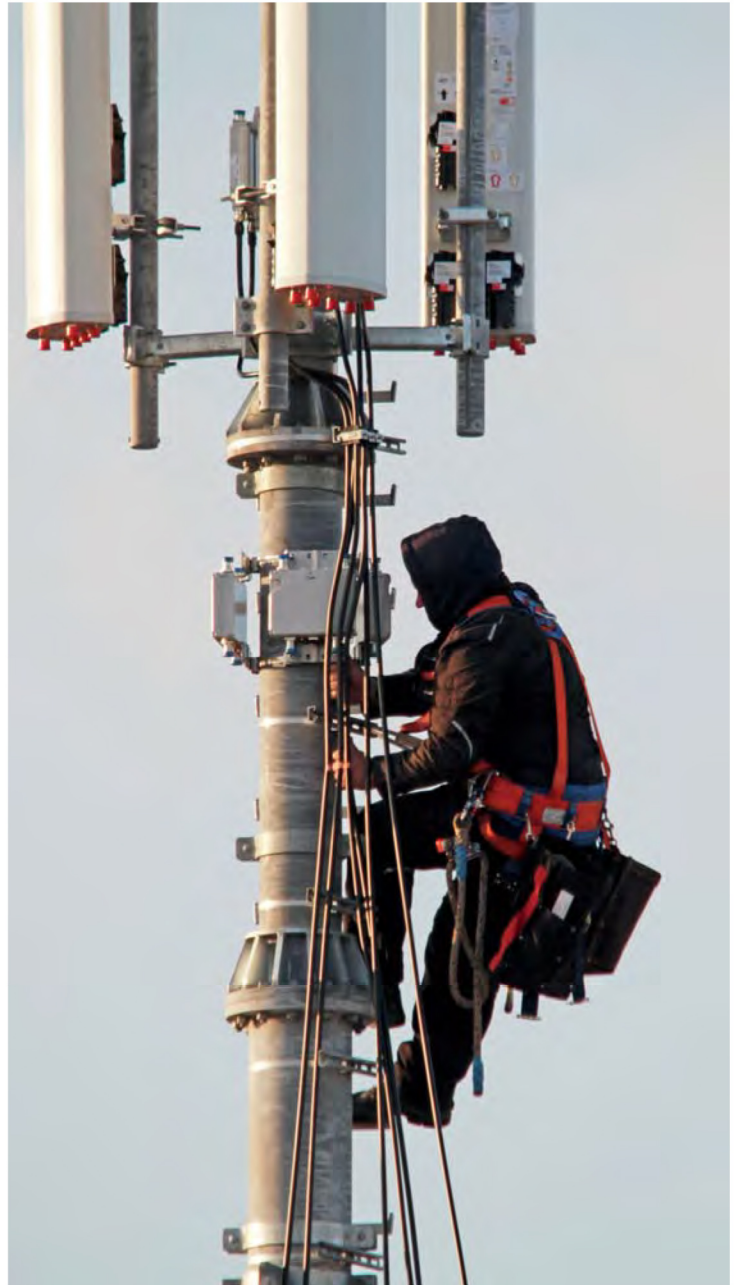
At Amphenol we understand the wireless infrastructure industry has unique interconnect needs. We know antennas are in service for several years in some of the harshest environments on the planet.

Amphenol's AISG products provide:

- **720 h salt spray resistance**
- **tightness up to IP 68**
- **EMC with 30 db**
- **extreme temperature resistance**
- **vibration resistance**
- **AISG standard 4.0**
- **longest AISG experience in the market**

Connectors and cable assemblies for outdoor use have extreme requirements. Tightness, temperature resistance, salt mist resistance and UV-resistance are to name but a few of the important criteria a connector must fulfil. Amphenol has set the standards with our C091 circular connector series. Realizing the AISG market requirements, Amphenol has become the worldwide leader for AISG connectors and cable assemblies.

Our global footprint with worldwide sales and logistics as well as our commitment to follow new directions and trends help us to keep this leading position. As an AISG (Antenna Interface Standards Group) member we wrote the AISG 4.0 standard which will ensure the intermateability of AISG connectors from all official approved suppliers. We expedite this standard to facilitate the life of Antenna manufacturers as well as service providers installing the Antennas in the field.



Standard / Field Assembly

Circular Connectors C 091 AISG

Our standard portfolio consists of male and female cable connectors as well as different kinds of receptacles. All connectors are available with 3 to 8, 12 and 14 contacts gold or silver plated for solder and crimp termination. The cable connector range includes different versions with straight and right angled cable outlets for 4.0 - 10.5 mm cable diameter. The male and female receptacles are available for front and rear mounting, flange mounting as well as PCB mounting with straight and right angled dip solder contacts. To all these connectors we offer protective caps that ensure IP 67 when the connectors are unmated.



Cable connector straight male/female

Termination: solder or crimp,
No. of contacts 8, 100 V, EMI protection,
contact plating: silver or gold



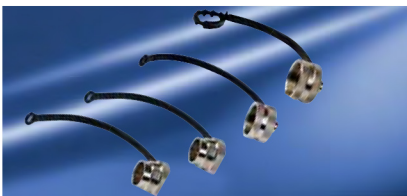
Cable connector right-angled male/female

Termination: solder or crimp



Cable connector straight male/female C091D+

Termination: solder or crimp,
No. of contacts 8, 100 V, EMI protection



Protective caps male/female

Protective caps for male/female cable connectors and male/female receptacles



Receptacle front mounting male/female

Termination: solder or crimp,
contact plating: silver or gold,
panel mounting with ring nut,
sealing with O-Ring



Receptacle rear mounting male/female

Termination: solder or crimp,
contact plating: silver or gold,
with sealing gasket, sealing with O-Ring



Receptacle flange mounting male/female

Termination: solder or crimp,
No. of contacts 8, 100 V, EMI protection,
contact plating: silver plated,
sealing with O-ring



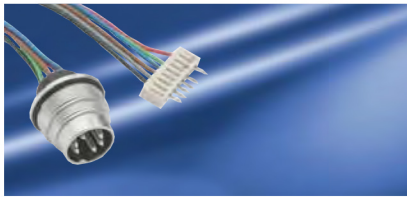
Receptacle PCB mounting female

Termination: solder or crimp,
contact plating: silver or gold,
panel mounting with ring nut,
sealing with O-Ring

Customized / Cable Assemblies

AISG internal cable assemblies

Besides our standard receptacles we offer a variety of cable assemblies for the antenna side. These cable assemblies consist of one or more Amphenol AISG receptacles plus a number of wires. Additionally we can build these cable assemblies with different special connectors on the wire ends, defined by our customers. Products used in Remote Electronic Systems, BIAS-Tee, TMA and other AISG devices of Mobile Antennas.



**Receptacle male
CA091 51**



**Receptacle female
CA091 52**



**Receptacle male
CA091 56 0001**



**Receptacle female
CA091 54 0004**



**Receptacle male-female
CA091 656 0001**

Customized / Cable Assemblies

AISG external cable assemblies

To install the antenna and to connect all components of an antenna system numerous external cable assemblies are required. For these applications we offer a wide range including either one or two Amphenol cable connectors as well as diverse cable types in different lengths. Our standard portfolio includes PUR/PE/PVC cable in lengths from 0.5 up to 200 m. These standard AISG cables are available in USA, Europe or China.



**Extention cable
CA091 Outdoor**

Assembled AISG cables				Overmoulded AISG cables			
Length in m	PUR	PE	PVC	Length in m	PUR	PE	PVC
0.5	CA091 60 2000 950	CA091 60 4000 950	CA091 60 3000 950	0.5	CA091 80 2000 950	CA091 80 4000 950	CA091 80 3000 950
1	CA091 60 2000 001	CA091 60 4000 001	CA091 60 3000 001	1	CA091 80 2000 001	CA091 80 4000 001	CA091 80 3000 001
2	CA091 60 2000 002	CA091 60 4000 002	CA091 60 3000 002	2	CA091 80 2000 002	CA091 80 4000 002	CA091 80 3000 002
3	CA091 60 2000 003	CA091 60 4000 003	CA091 60 3000 003	3	CA091 80 2000 003	CA091 80 4000 003	CA091 80 3000 003
4	CA091 60 2000 004	CA091 60 4000 004	CA091 60 3000 004	4	CA091 80 2000 004	CA091 80 4000 004	CA091 80 3000 004
5	CA091 60 2000 005	CA091 60 4000 005	CA091 60 3000 005	5	CA091 80 2000 005	CA091 80 4000 005	CA091 80 3000 005
7	CA091 60 2000 007	CA091 60 4000 007	CA091 60 3000 007	7	CA091 80 2000 007	CA091 80 4000 007	CA091 80 3000 007
10	CA091 60 2000 010	CA091 60 4000 010	CA091 60 3000 010	10	CA091 80 2000 010	CA091 80 4000 010	CA091 80 3000 010
15	CA091 60 2000 015	CA091 60 4000 015	CA091 60 3000 015	15	CA091 80 2000 015	CA091 80 4000 015	CA091 80 3000 015
20	CA091 60 2000 020	CA091 60 4000 020	CA091 60 3000 020	20	CA091 80 2000 020	CA091 80 4000 020	CA091 80 3000 020
50	CA091 60 2000 050	CA091 60 4000 050	CA091 60 3000 050	50	CA091 80 2000 050	CA091 80 4000 050	CA091 80 3000 050
100	CA091 60 2000 100	CA091 60 4000 100	CA091 60 3000 100	100	CA091 80 2000 100	CA091 80 4000 100	CA091 80 3000 100

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