Amphenol

Interconnect Solutions for the CCTV market

Amphenol

is one of the largest manufacturers of interconnect products in the world. The Company designs, manufactures and markets electrical, electronic and fiber optic connectors, coaxial and flat-ribbon cable, and interconnect systems. Amphenol has long been the accepted leader in providing quality connectors and interconnect systems to the Industrial, Military and Telecommunication markets.

Interconnect Solutions for the CCTV market

From analog cameras to IP cameras, from indoors to outdoors, from maritime environments to explosive environments, from miniature to cost effective solutions, from standard to bespoke, for any protocol and even in the harshest conditions ...

Amphenol interconnect solutions bring systems together to help you deliver the most advanced CCTV applications whilst always reducing integration and installation time.

Each one of our products has proved its performance and reliability in a number of CCTV applications such as traffic management, ANPR, public transport, city surveillance, mobile devices, homeland security and many others. Amphenol is proud to serve all customers in the market, from local installers, to specialty integrators and major camera manufacturers.

As a global company, Amphenol provides the same service and product quality worldwide and can support its customers' offset or localization programs as required.

CCTV

The range of functions fulfilled by CCTV systems has dramatically increased over the last 10 years. The technology has evolved and Amphenol has been there at the forefront to help solve these challenges.

A technology for your specific application

Outdoors

Many CCTV systems are installed outdoors: city protection, traffic monitoring, ANPR, platforms surveillance... but in any conditions, any weather, 24/7, your security system must be available. Amphenol has taken these requirements into account and offers reliable, cost effective, overmoulded as well as field installable, solutions to cover all your needs for both the IP and the analog technology.
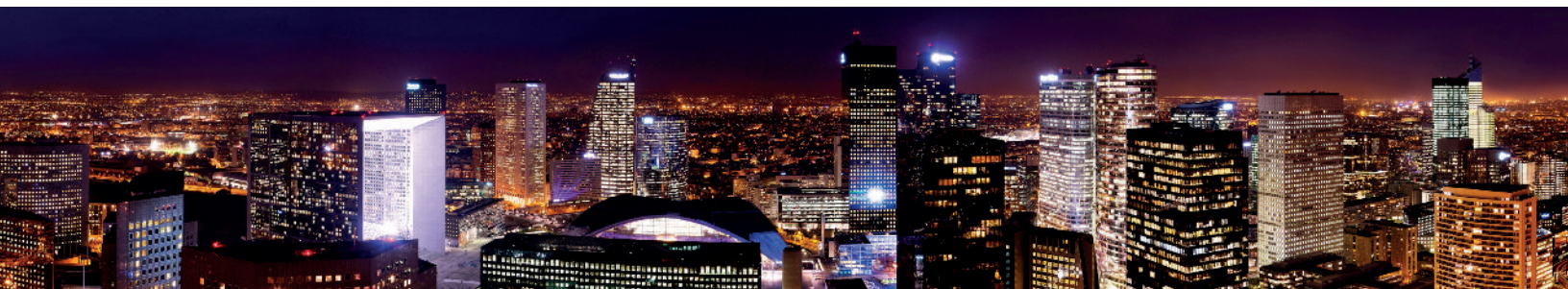
Harsh Environment

Amphenol has the industry experience to supply connectors and cable assemblies to any harsh environment. No matter if your CCTV system is installed on the highway, on an offshore platform, underground or used for military operations, Amphenol will provide you with a reliable solution that exactly fits your requirements.

Specialty

Especially in the industrial field, CCTV systems can be used to control and measure operations in inaccessible or hazardous environments. Amphenol always has a solution for you, with special product ranges dedicated to subsea, ATEX zones and nuclear zones.

Miniature

For on-vehicle or deployable CCTV systems, miniaturization and mass reduction are paramount. Combining its second-to-none experience in the aerospace and military industry, Amphenol will supply state-of-the-art technology to you.

Outdoors Applications

DIGITAL CONNECTIVITY

RJ SERIES

This cost effective waterproof series will guarantee you perfect outdoor protection and quick installation. It is offered both in its field installable version or overmoulded version (both IP67). This solution is also available in low form factor and ODVA standard.

RJ FIELD COMPOSITE SERIES

No tooling, no cabling, to quickly transform your standard cordset into a push pull connector. Provides environmental protection: IP68, shock and vibration. Avoids lengthy and costly in-field assembly.

USB SERIES

This cost effective waterproof series will guarantee you perfect outdoor protection and quick installation. It is offered both in its field installable version (IP67) or overmoulded version (IP68). USB 2.0, USB 3.0, mini USB 2.0 & micro USB are available.

CABLE JOINER & CABLE GLAND

This cable joiner enables you to join two standard ethernet cordsets in an instant whilst guaranteeing you waterproof protection (IP67).
Our waterproof cable gland range is a very cost effective alternative when a connector is not required.

ANALOG CONNECTIVITY

CIRCULAR SERIES

Ideal for a mix of power and signal, with insert layouts up to 31 ways, this cost effective solution is waterproof mated and unmated (up to IP68). This series is available both in field installable versions and overmoulded versions, with various locking mechanisms such as bayonet, screw thread and push lock.

BNC SERIES

Our BNC range is the largest in the industry. We can supply you with any BNC connector, including IP67 field installable connectors and any cable assembly you need.

ECO|MATE

Quick and easy to install, ergonomic, available with crimp contacts or screw contacts, Eco|mate is already a reference among CCTV installers. This cost effective solution is also waterproof (IP67) and enables a mix of power and signal in a single connector. For an easy coding, this series is available in different colours.

M SERIES

The latest innovation is available: a keyed M12 connector handling up to 10 Gbps (transmission CAT6 and CAT6$_A$). The full range of waterproof M connectors (M8, M10.5, M12, M23, M40) is available both in field installable versions and in overmoulded versions, metallic and composite.

INDUSTRIAL STANDARDS

RT360

Industrial version adapted from the MIL-DTL-24682, this cost effective solution allows a mix of power and signal, up to 48 ways. Environmentally sealed (IP68 and IP69K), rugged nickel-plated aluminum outer shells, bayonet locking systems with an audible "locking" click.

C091 (M16)

Polyvalent circular connector for the industrial market, the C091 offers full 360° shielding for improved EMC performance. This series enables a mix of power and signal up to 14 ways and is waterproof (up to IP68). It is mated with a screw coupling mechanism.

D-SUB

Series of rugged, high reliability, harsh environment D-subs. Remove the guesswork when using D-subs in high vibration areas or corrosive environments, to allow reliable system operation. Available in a wide variety of pin count, angles, and mating technologies such as board mount, solder, and crimp.

BACKSHELL

All types of backshells are available in our catalog: straight and angled versions, backnuts, cable clamps, adaptors for heatshrink molded pieces or for overmoulding, EMI versions and different termination technologies (braid soldering, clamping, stainless steel band system)... Lightweight composite versions are available.

MILITARY STANDARDS

RJ FIELD SERIES

No tool, no cable termination to quickly transform your standard ethernet cordset (RJ45 or RJ11 termination) into a rugged connection in a military shell (MIL-DTL-24682 or MIL-DTL-38999 series III). Provides environmental protection: IP67, dust, corrosion, shock and vibration. Self-closing caps available.

USB FIELD SERIES

No tooling, no cabling to quickly transform your standard USB 2.0, USB 3.0 or USBB cordset into a rugged connector in a military shell (MIL-DTL-38999 series III). Provides environmental protection: IP67, dust, corrosion, shock and vibration. Self-closing caps available.

PT / 451 / 62 GB SERIES

Small size bayonet lock connectors based on MIL-DTL-26482 for military and industrial markets. Available in mixed configurations of both power and signal, including Coax, Twinax and Optical termini. Provides environmental protection: up to IP68, dust, corrosion, shock and vibration.

5015 SERIES & MODULAR 5015

A cost effective reverse bayonet lock connector based on MIL-DTL-5015 for military and industrial markets. Available in mixed and modular configurations of both power and signal, including Coax, Twinax and Optical termini. Provides environmental protection: up to IP68, dust, corrosion, shocks and vibrations.

MINIATURE CONNECTORS

38999

Lightweight subminiature bayonet lock connectors based on MIL-DTL-38999 for military and industrial markets. Available in configurations of mixed power and signal, including Coax, Twinax and Optical termini. Provides environmental protection: up to IP68, dust, corrosion, shock and vibration.

75 OHMS COAX CONTACT

Small size 75 Ω contact that meets the HD-SDI and 3G-SDI standards (SMPTE). This contact can be inserted in miniature military shells (compliant with MIL-DTL-38999) to provide best-in-class video performance in a rugged miniature connector.

µCOM

The µCom Series is a new range of connectors designed to address the latest trends of the Industry: miniaturization (15 mm external diameter) and high speed 10 Gbps (10GBase-T and CAT6$_A$), with the highest resistance for use in the harshest environments: IP68 (mated and unmated), dust, corrosion, shock and vibration. Available in threaded and push pull mechanisms.

TERRAPIN

Lightweight miniature push pull connectors for military and industrial markets. Mix of power and signal inserts with high density: up to 37 contacts in a 23 mm diameter. Provides environmental protection: up to IP68, dust, corrosion, shock and vibration. For further mass reduction, this connector is available in aluminium.

CABLE ASSEMBLY

OVERMOULDING

Most of our connectors are available overmoulded, with the combination of terminations of your choice. Overmoulding saves you integration time and reduces the risk of mistake, it is also a very cost effective solution to ensure high environmental sealing. Amphenol can supply cable or source the cable of your choice.

CABLE ASSEMBLY

Amphenol has the capability to create all varieties of cable harnesses and can produce what you need in whatever volume you require. Our cable harnesses are extremely cost effective and cut down on excess vendors in your supply chain. We have cable harness facilities in all regions worldwide.

TERMINAL BLOCKS

Amphenol offers a broad range of standard and application-specific fixed and pluggable I/O for wire-to-board. available in screw clamp, cage clamp, and spring clamp wire attachment in numerous pitches and are UL, CSA, and TUV approved. We can also customize any project.

Specialty Applications

EXPLOSIVE ENVIRONMENT

FIELD SERIES EX

Extension of the RJ Field Series to the explosive environment. No tool, no cabling to house your standard cordset in a rugged shell. ATEX Zone 2 II3G ExnAIIT6 explosion proof Field Series (RJ45, USB, RJ11) and Ethernet Switch devices (EEx nA T4).

AMPHE-EX™

New miniature explosion-proof threaded connector, using coax, fiber optic cables, Ethernet Class D/Cat 5e or USB as well as standard copper. ATEX and IECex approved for Zone 1 rated applications.

NUCLEAR ENVIRONMENT

HERMETIC

Glass-filled inserts certified for hazardous environments, including nuclear areas. High degree of sealing, even for the highest pressure. All major circular hermetic connectors are available (MIL-C-38999, MIL-C-26482...). Enables a mix of signal and power in a single connector.

SEALED MODULE

Qualified for K1 and K2 areas. This sealed connector is available in 9 different layouts and is mounted on a rail. It can take cable cross section from 0,5 to 2,5 mm² and is available with every nuclear cables.

SUBSEA - ROV

SUBMARINER SERIES

Submariner series of subsurface wet- and dry-mate connectors can be used underwater at pressure of up to 600 bar. It enables a mix of power and signal and is ideal for subsea CCTV systems, ROVs and AUVs. Can be offered moulded-to-cable.

AQUALINK

AquaLink is the cost-effective series of drymate submersible fiber optic connectors for underwater applications up to 300 bars.

FIBER OPTICS

MFM

Fiber Optic high speed transmission in a small, lightweight connector designed for harsh environments such as military avionics, battlefield, communications... This connector utilizes fiber optic butt joint technology. Contact termination : Multimode or singlemode. Threaded coupling with keyway polarization.

COMPOSITE SERIES

A very cost effective series of IP67, field installable fiber optic connectors. Ideal to extend the range of your CCTV network. This series is suited for LC and SC types.

NORTH AMERICA

Amphenol INDUSTRIAL OPERATIONS

40-60 Delaware Street, Sidney
New York 13838-1395 - USA
Telephone: 1-607-563-5011 - Fax: 1-607-563-5157
www.amphenol-industrial.com

Amphenol PCD, Inc.

72 Cherry Hill Drive - Centennial Park
Beverly, MA 01915-1065 - USA
Telephone: 1- 978-624-3400 - Fax: 1-978-927-1513
www.amphenolpcd.com

Amphenol RF

4 Old Newtown Road, Danbury, CT 06810 - USA
Telephone: 1-203-743-9272 - Fax: 1-203-796-2032
www. amphenolrf.com

Amphenol FSI

1300 Central Expwy N, Suite 100 Allen, TX 75013 - USA
Toll-Free: 800-472-4225 - Fax: 214-547-9344
www.fibersystems.com

EUROPE

Amphenol SOCAPEX

948 Promenade de l'Arve - B. P. 29
74311 Thyez Cedex - France
Telephone: 33-4-5089-2800 - Fax: 33-4-5096-1941
www.amphenol-socapex.com

Amphenol LIMITED

Thanet Way, Whitstable, Kent, CT5 3JF
United Kingdom
Telephone: 44-1227-773-200 - Fax: 44-1227-276-571
www.amphenol.co.uk

Amphenol AIR LB GmbH

Am Kleinbahnhof 4 - 66740 Saarlouis - Germany
Telephone: 49-6831-981-00 - Fax: 49-6831-981-030
www.amphenol-airlb.de

Amphenol ITALIA

Via Barbaiana n. 5, 20020 Lainate - Milano - Italy
Telephone: 39-02-93254.1 - Fax: 39-02-93254.444

Amphenol AIR LB

29 voie d'Yvois
08110 Blagny - France
Telephone: 33-3-2422-7849 - Fax: 33-3-2422-7875
www.amphenol-airlb.fr

Amphenol TUCHEL ELECTRONICS Gmbh

August-Haeusser-Strasse 10
Heilbronn, 74080 - Germany
Telephone: 49-7131-929.0 - Fax: 49-7131-929.486
www.amphenol.de

Amphenol IBERICA

Edificio "Burgosol"
C/Comunidad de Madrid, 35-bis-Oficina nr 55
ES-28230 Las Rozas - Madrid - Spain
Telephone: 34-91-640-73-02/03/04 - Fax: 34-91-640-73-07

Amphenol SCANDINAVIA

Ängsullsvägen 7-S-187 51 Täby - Sweden
Telephone: 46-702-129-200 - Fax: 46-702-634-677

Amphenol BENELUX

Zadelmaker 121 NL-2401 PD Alphen aan den Rijn
The Netherlands
Telephone: 31-172-444-903 - Fax: 31-172-240-254

Amphenol POLAND

Topolowa 13, 41 600 Swietochlowice - Poland
Telephone: 48-32-3484-201 - Fax: 48-32-3484-202

ASIA

Amphenol PCD CHINA

2/F Building A5, HuaFeng Technology - Park,GuanTian,Bei
Huan Road, Shi Yan Street - BaoAn District, Shenzhen 518108
Telephone: 86-755-8173-8000 - Fax: 86-755-8173-8180
www.amphenolpcd.com

Amphenol INTERCONNECT INDIA

105 Bhosari Industrial Area
Pune 411 026 - India
Telephone: 91-20-2712-0462 - Fax: 91-20-712-0581
www.amphenol-in.com

Amphenol Japan Ltd.

471-1, Deba, Ritto-City
Shiga, 520 3041 - Japan
Telephone: 81-77-553-3044 - Fax: 81-77-551-2200
www.amphenol.co.jp

Amphenol LTW TECHNOLOGY Co., Ltd.

9F,No. 657-12, Zhongzheng Rd.
Xinzhuang District, New Taipei City 24257, Taiwan
Telephone: 886-2-2908-5626 - Fax: 886-2-2902-9787
www.amphenolltw.com

Amphenol SINE SYSTEMS CHINA

Amphenol Shenzhen Co Ltd, China, Building 21, 1st Liao
Keng Shi Yan Street, Bao An District, Shenzhen 518108
Telephone : 86-592-593-666 - Fax: 86-592-593-1111
www.sineco.com

Amphenol DaeShin Elect & Precision Co., Ltd

558 SongNae-Dong SoSa-Gu,
Bucheon City - Kyunggi-Do, 420-130 - Korea
Telephone : 82-32-610-3800 - Fax: 82-32-673-6219
www.amphenol.co.kr

REST OF THE WORLD

Amphenol MEXICO

Prolongacion Reforma 61-6 B2
Col. Paseo de las Lomas - C.P. 013130 Mexico
Telephone : 52-55-5258-9984
Fax: 52-55-5081-6890

Amphenol ARGENTINA

"Av. Callao 930 2do piso Oficina B "Plaza"
C1023" - AAP Buenos Aires - Argentina
Telephone: 54-11-4815-6886
Fax: 54-11-4814-5779

Amphenol DO BRAZIL

Rua Diogo Moreira, 132, 20 andar, rooms 2001-2-3
CEP: 05423-010 Sao Paulo SP - Brazil
Telephone: 55-11-3815-1003
Fax: 55-11-3815-1629

Amphenol SOUTH AFRICA

30 Impala Road
2196 Chislehurston-Sandton - South Africa
Telephone: 27-11-783-9517
Fax : 27-11-783-9519

Amphenol AUSTRALIA PTY LIMITED

20 Industry Boulevard
Carrum Downs, Victoria 3201 - Australia
Telephone: 61-3-8796-8888
Fax: 61-3-8796-8801
www.amphenol.com.au

Amphenol TURKEY & MIDDLE EAST

Maslak Mah. Bilim sok. No:5
Sun Plaza Kat:15
34398 Sisli Istanbul Turkiye
Telephone: +90 212 367 92 20
Fax: +90 212 367 92 21
www.amphenol-middle-east.com

Amphenol RUSSIA

8 bldg., 2 Yaroslavskaja Street,
129164 Moscow - Russia
Telephone: 7-495-937-6341
Fax: 7-495-937-6319

Amphenol MIDDLE EAST
ENTERPRISES FZE

C-37, Old Office Building,
Ajman - United Arab Emirates
Telephone: 97-16-7422494
Fax: 97-16-7422941