

CCTV quick connect

Harsh and Hazardous area connectors
for camera stations



EATON

Powering Business Worldwide

Part of our wider solution for hazardous environments

PA / GA

Designed, engineered and manufactured according to individual project specifications and industry regulations. The Sonix™ system uses the latest in digital technology and can be integrated with a wide range of Eaton products to ensure the integrity of your assets in even the most demanding of environments.

CCTV

Cutting edge technology from our market leading brands of HERNIS™ and Oxalis.

With the widest range of camera stations and system solutions from a single manufacturer, we have the products and experience to meet today's demanding surveillance and security needs.

With products available that are explosion protected or weatherproof, analogue or IP, fixed, dome or PTZ, our experience and proven reliability can meet your specification requirements.

Signalling and alarms

Our MEDC and FHF product lines offer a wide range of products specifically designed for harsh environments where there is a risk of explosion for both onshore and offshore applications. This range of products including manual activation, visual and audible alarms, and loudspeakers, can be connected to IMCOS™ or Sonix™ delivering the best combination of performance and safety.

IMCOS™

The only system in the world that is approved by 7 different Type Approval authorities.

IMCOS™ provides the solutions you need both Onshore and Offshore. The following applications demonstrate the ability to provide a single solution.

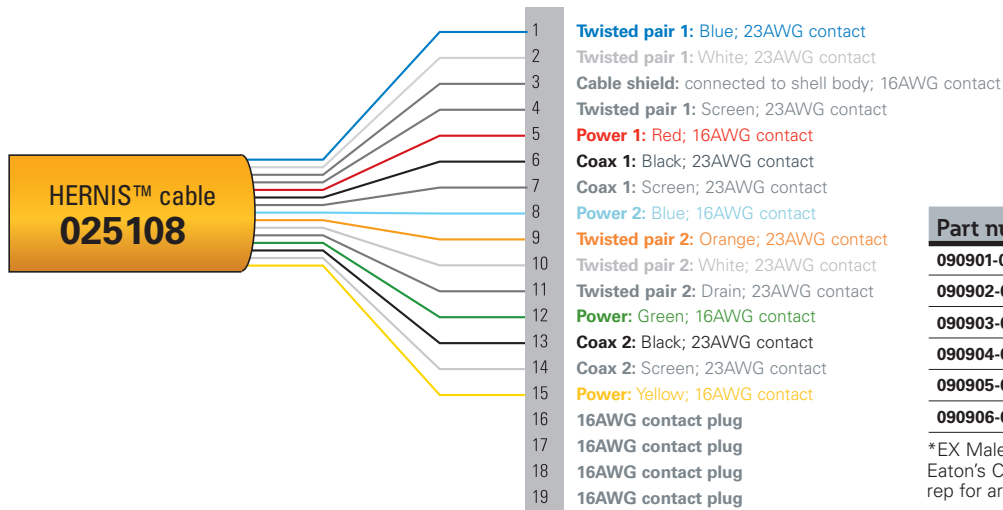
With IMCOS™ and our latest developments in technology, we are able to provide a single network which provides reduced cable architecture. Our LAN systems are able to share a highway of information and resources, interlinking video, voice and data with our VoIP telephones, IPTV streaming, CCTV, PA/GA and Intercom systems through one fibre or copper backbone.

Telecommunications

Whether a traditional analogue, digital, VoIP or Hybrid telephone system is what you require, we can provide the solution you need with our IMCOS™ PABX system. Together with a wide range of telephones we can provide standard, weatherproof, explosion protected and IP phones.

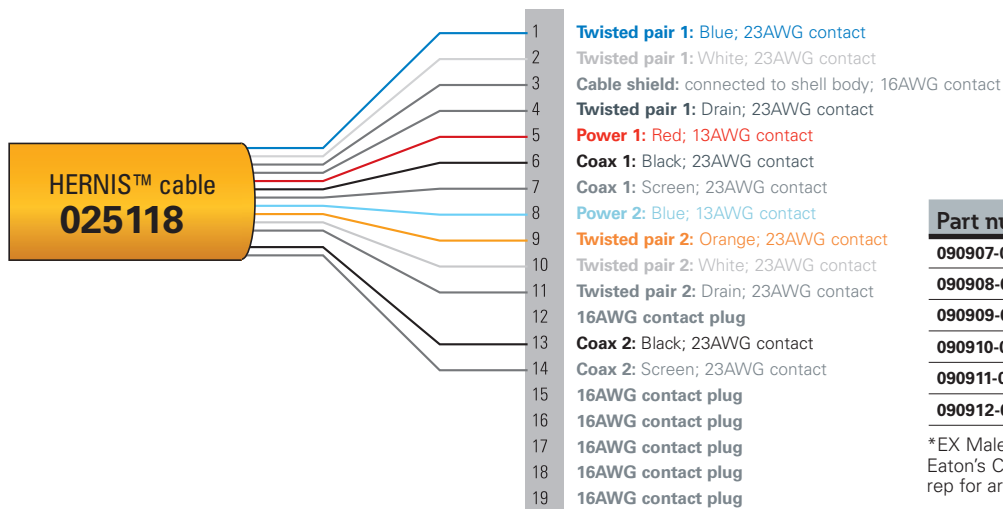
Mining solutions

Our FHF-BT business has over 100 years of experience in mining applications. Today the team delivers intrinsically safe turnkey automation and communications solutions on a global basis. Our solutions based offering includes shaft signalling and communications, loudspeaker and conveyer belt control, data transmission, radio systems and various automation systems.



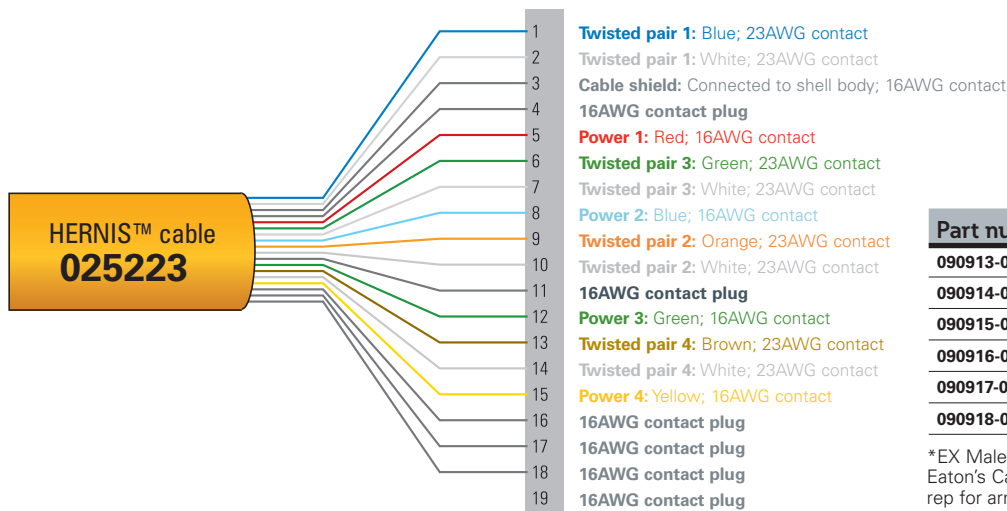
Part number	Description
090901-00	Female Panel Mount CCTV 16 EX Shell
090902-00	Male Plug CCTV 16 EX Shell*
090903-00	In-Line Receptacle CCTV 16 EX Shell*
090904-00	Female Panel Mount CCTV Standard 16 Shell
090905-00	Male Plug CCTV Standard 16 Shell
090906-00	In-Line Receptacle CCTV Standard 16 Shell

*EX Male Plug and EX In-Line Receptacle comes with Eaton's Capri ADE1FC non-armored gland. Consult your sales rep for armored gland options.



Part number	Description
090907-00	Female Panel Mount CCTV 16 EX Shell
090908-00	Male Plug CCTV 16 EX Shell*
090909-00	In-Line Receptacle CCTV 16 EX Shell*
090910-00	Female Panel Mount CCTV Standard 16 Shell
090911-00	Male Plug CCTV Standard 16 Shell
090912-00	In-Line Receptacle CCTV Standard 16 Shell

*EX Male Plug and EX In-Line Receptacle comes with Eaton's Capri ADE1FC non-armored gland. Consult your sales rep for armored gland options.



Part number	Description
090913-00	Female Panel Mount CCTV 16 EX Shell
090914-00	Male Plug CCTV 16 EX Shell*
090915-00	In-Line Receptacle CCTV 16 EX Shell*
090916-00	Female Panel Mount CCTV Standard 16 Shell
090917-00	Male Plug CCTV Standard 16 Shell
090918-00	In-Line Receptacle CCTV Standard 16 Shell

*EX Male Plug and EX In-Line Receptacle comes with Eaton's Capri ADE1FC non-armored gland. Consult your sales rep for armored gland options.

Ex connectors (CEX series)			Non-hazardous connectors (CZ series)		
Male plug	In-line receptacle	Female panel mount	Male plug	In-line receptacle	Female panel mount



CEX series

Multi-pin and single pole connectors for hazardous areas

Area classification	
CE marked	
AEx	Listed for US Ex Zone 1 applications (ETL)
ATEX	Group II category 2 certified (ETL)
IECEX	Zone 1 certified (ETL)
TR CU	1 Ex d e IIC T6 Gb X, Ex tb IIIC T85°C Db X (panel mount) 1 Ex d IIC T5 Gb X, Ex tb IIIC T85°C Db X (plug & receptacle)
Listed for Canada	Ex Zone 1 applications (ETL)
Area certification	
CEX series	
ATEX	Ex d IIC T5 GB Ex tb IIIC Db
IECEX	IECEX Ex d IIC T5 GB Ex tb IIIC Db
Specifications	
Applications	Heavy duty control and instrumentation, single pole power for hazardous areas
Materials and finish	Contacts - silver plated copper, crimp style - multi-lam style contacts or single poles Shells - high tensile strength aluminum; hard anodic coating per MIL-A-8625, Type III, black colour Inserts - rigid insert: thermoplastic material - resilient insert: silicone rubber
Ambient temperature rating	Certified for use at -60°C to +55°C
Environmental	IP66, IP68
Application standards	
Property	Standard
Flame-proof enclosure	IEC60079-1
Increased safety	IEC60079-7
Dust ignition protection	IEC60079-31
Impact resistance	IEC60079-0
Dielectric test	IEC60079-7
Ingress	EN:60529
Contact retention	MIL STD 1344



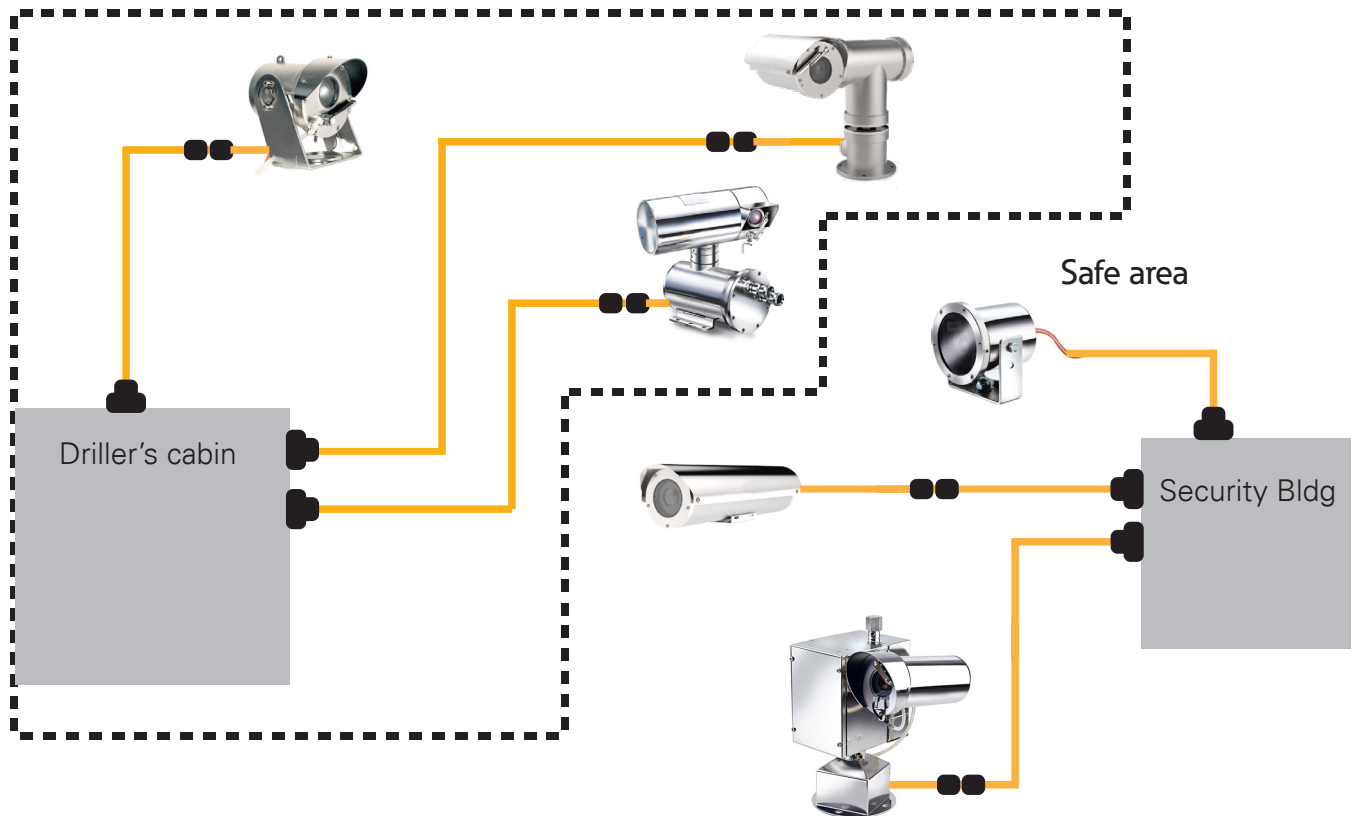
CZ series

Multi-pin and single pole connectors for harsh/heavy industrial areas

Certifications	
CZ series	
CE marked	
UL recognised	UL1977 CSA: C22.2 No. 182.3
Specifications	
Applications	Heavy duty control and instrumentation, single pole power for harsh/heavy industrial areas
Materials and finish	Contacts - silver plated copper, crimp style - multi-lam style contacts or single poles Shells - high tensile strength aluminum; hard anodic coating per MIL-A-8625, Type III, olive drab colour Inserts - rigid insert: thermoplastic material - resilient insert: silicone rubber
Ambient temperature	Suitable for use from -60°C to +55°C
Environmental	IP68; NEMA 4X, 6P



Hazardous area



Eaton CCTV quick connect

Connectors for CCTV systems in hazardous and harsh industrial environments

Our quick connect / disconnect connection solution for both explosion proof and safe area CCTV cameras provides a high integrity, robust, safe and standardized connection solution for the most demanding and harsh environments. The product has been specifically configured for this application to enable rapid and reliable de-energized connection and disconnection of CCTV cameras in oil and gas fields and industrial complexes both onshore and offshore.

Features and benefits:

- Easy rig up and rig down for CCTV systems
- Reversible inserts are compatible with all panel mount, in-line, male and female shells
- Exclusive visual mating alignment improves installation time
- Easily accessible wire terminals
- IP66 and IP68 rating
- Ambient temperature -60°C to +55°C
- Ample wiring space within shells
- Reversible 8-point diamond cord grip relieves strain on conductors (patent pending)
- Suited for use with Type P cable
- Impact-resistant
- Hex grip on hazardous and normal location connectors facilitates torquing
- CE marked
- Optimised for HERNIS™ multi cables

Note: specifications and features model dependant





Eaton

The safety you rely on.

See the complete offering at www.crouse-hinds.com/hac

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