

Today's mining applications face a multitude of communication and safety challenges from the hazardous and extreme environmental working conditions. It is critical that these communication systems yield a reliable network between the underground and surface control center. OCC's suite of tight-buffered fiber optic cables and harsh environment connectors offer the reliability, performance and protection crucial for mining operations, ensuring that information can be readily accessed to guarantee efficient operations both normally and especially during emergencies. Designed for uncompromised communications in the harshest of conditions, OCC provides cables proven to ensure safety and efficiency of any mining operation, whether above or underground.

### APPLICATIONS:

- Environmental Monitoring
- Equipment Control
- HMI/SCADA Applications
- CCTV Monitoring
- Voice/Data/Video Communications
- Longwall/Tunnel Boring

## MSHA RATED FIBER OPTIC CABLES

### BREAKOUT SERIES

D-JACKET--40°C TO +85°C, SUN, OIL, & FUNGUS RESISTANT				
FIBER COUNT	SINGLE-MODE	OM1	OM3	OM4
6	BX006DSL9KS	BX006DWLS9KS	BX006DAL9KS	BX006DALE9KS
12	BX012DSL9KS	BX012DWLS9KS	BX012DAL9KS	BX012DALE9KS
24	BX024DSL9KS	BX024DWLS9KS	BX024DAL9KS	BX024DALE9KS
48	BX048DSL9KS	BX048DWLS9KS	BX048DAL9KS	BX048DALE9KS

### DISTRIBUTION SERIES

D-JACKET--40°C TO +85°C, SUN, OIL, & FUNGUS RESISTANT				
FIBER COUNT	SINGLE-MODE	OM1	OM3	OM4
6	DX006DSL9KS	DX006DWLS9KS	DX006DAL9KS	DX006DALE9KS
12	DX012DSL9KS	DX012DWLS9KS	DX012DAL9KS	DX012DALE9KS
24	DX024DSL9KS	DX024DWLS9KS	DX024DAL9KS	DX024DALE9KS
48	DX048DSL9KS	DX048DWLS9KS	DX048DAL9KS	DX048DALE9KS

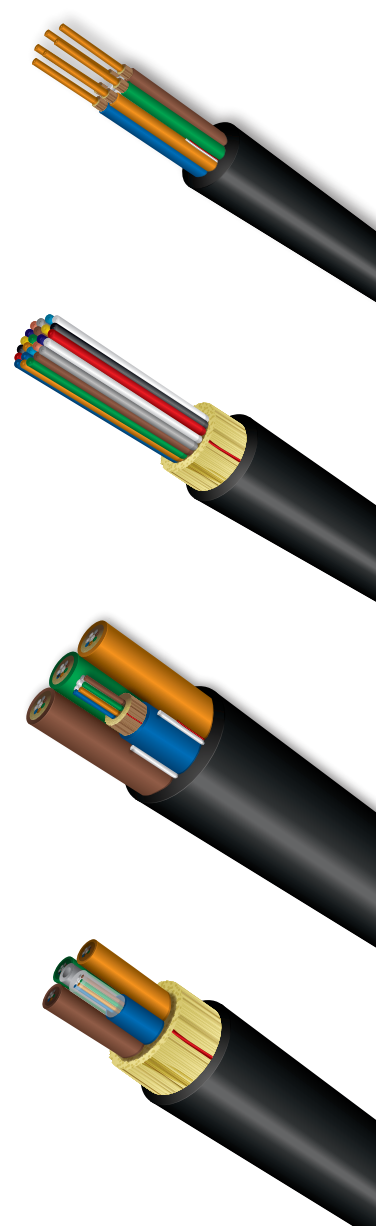
### GX SERIES

D-JACKET--40°C TO +85°C, SUN, OIL, & FUNGUS RESISTANT				
FIBER COUNT	SINGLE-MODE	OM1	OM3	OM4
24	GX024DSL9KS	GX024DWLS9KS	GX024DAL9KS	GX024DALE9KS
48	GX048DSL9KS	GX048DWLS9KS	GX048DAL9KS	GX048DALE9KS
96	GX096DSL9KS	GX096DWLS9KS	GX096DAL9KS	GX096DALE9KS
144	GX0144DSL9KS	GX0144DWLS9KS	GX0144DAL9KS	GX0144DALE9KS

### HC SERIES

D-JACKET--40°C TO +85°C, SUN, OIL, & FUNGUS RESISTANT				
FIBER COUNT	SINGLE-MODE	OM1	OM3	OM4
24	HC024DSL9KS	HC024DWLS9KS	HC024DAL9KS	HC024DALE9KS
48	HC048DSL9KS	HC048DWLS9KS	HC048DAL9KS	HC048DALE9KS
96	HC096DSL9KS	HC096DWLS9KS	HC096DAL9KS	HC096DALE9KS
144	HC0144DSL9KS	HC0144DWLS9KS	HC0144DAL9KS	HC0144DALE9KS

\*All Cables Above Are Black Jacket, Cables Can Be Ordered With Color Jacket. Replace The "K" Color Code With: K=Black, Y=Yellow, O=Orange, Q=Aqua, G=Green.\*



# MILITARY-TACTICAL CABLES

## BREAKOUT MILITARY TACTICAL-SERIES

C-JACKET: -55°C TO +85°C, TACTICAL POLYURETHENE JACKET				
FIBER COUNT	SINGLE-MODE	OM1	OM3	OM4
4	B-004CSLS5KM	B-004CWST5KM	B-004CALT5KM	B-004CALE5KM
6	B-006CSLS5KM	B-006CWST5KM	B-006CALT5KM	B-006CALE5KM
12	B-012CSLS5KM	B-012CWST5KM	B-012CALT5KM	B-012CALE5KM
24	B-024CSLS5KM	B-024CWST5KM	B-024CALT5KM	B-024CALE5KM

## DISTRIBUTION MILITARY TACTICAL-SERIES

C-JACKET: -55°C TO +85°C, TACTICAL POLYURETHENE JACKET				
FIBER COUNT	SINGLE-MODE	OM1	OM3	OM4
4	D-004CSLS5KM	D-004CWST5KM	D-004CALT5KM	D-004CALE5KM
6	D-006CSLS5KM	D-006CWST5KM	D-006CALT5KM	D-006CALE5KM
12	D-012CSLS5KM	D-012CWST5KM	D-012CALT5KM	D-012CALE5KM
24	D-024CSLS5KM	D-024CWST5KM	D-024CALT5KM	D-024CALE5KM

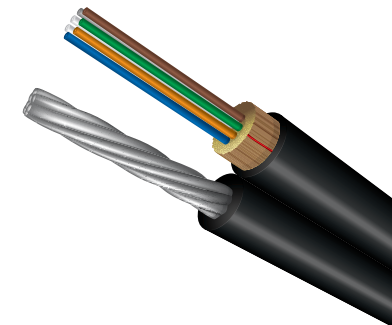
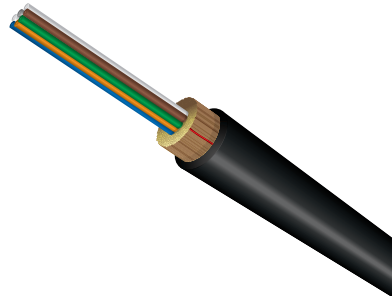
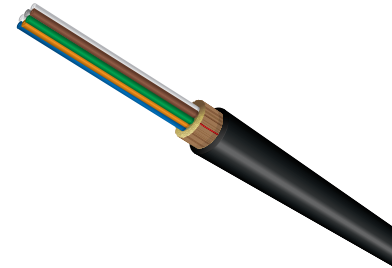
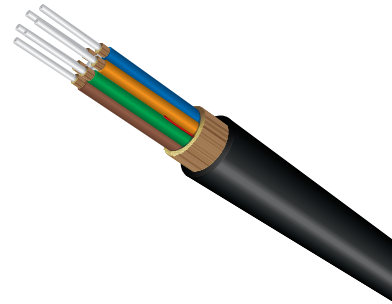
# OUTDOOR AERIAL CABLES

## RM-SERIES ROUND MESSENGER CABLES

C-JACKET: -55°C TO +85°C, POLYOLEFIN JACKET				
FIBER COUNT	SINGLE-MODE	OM1	OM3	OM4
6	RM006XSL5K	RM006XWST5K	RM006XALT5K	RM006XALE5K
12	RM012XSL5K	RM012XWST5K	RM012XALT5K	RM012XALE5K
24	RM024XSL5K	RM024XWST5K	RM024XALT5K	RM024XALE5K
48	RM048XSL5K	RM048XWST5K	RM048XALT5K	RM048XALE5K

## MX-SERIES – FIGURE-8 MESSENGER CABLES

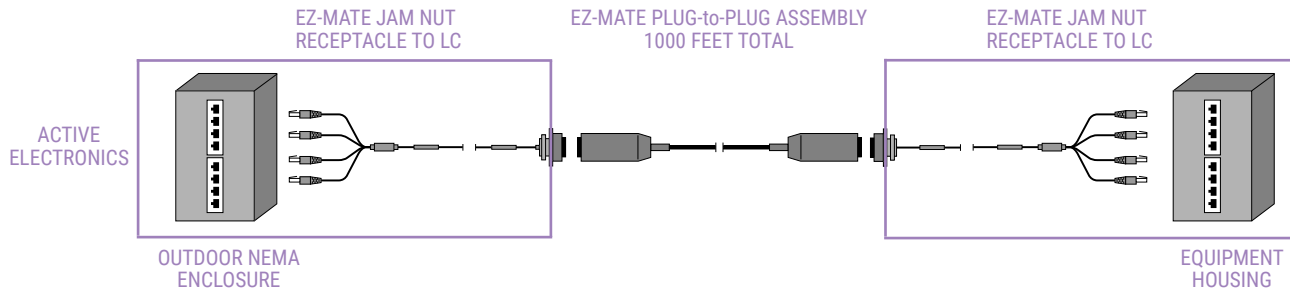
A-JACKET: -40°C TO +85°C, POLYETHYLENE JACKET				
FIBER COUNT	SINGLE-MODE	OM1	OM3	OM4
6	MX06ASLA9KAG3	MX06AWLS9KAG3	MX06AALT9KAG3	MX06AALE9KAG3
12	MX012ASLA9KAG3	MX012AWLS9KAG3	MX012AALT9KAG3	MX012AALE9KAG3
24	MX024ASLA9KAG3	MX024AWLS9KAG3	MX024AALT9KAG3	MX024AALE9KAG3
48	MX048ASLA9KAG3	MX048AWLS9KAG3	MX048AALT9KAG3	MX048AALE9KAG3



# HARSH ENVIRONMENT CONNECTORS & ASSEMBLIES

OCC's rugged plug-and-play solutions are designed for quick and easy network deployment, eliminating the need for onsite splicing or terminations. These systems offer flexibility and can accommodate configurations ranging from 2-48 fibers using OCC's diverse line of HE connectors and compatible with both single-mode or multi-mode tight buffer cables. Let OCC help you design your HE end-to-end solutions for your next application.

## OCC'S HARSH ENVIRONMENT PRE-TERMINATED END-TO-END SOLUTION



## FIBER OPTIC CONNECTORS



**EZ-MATE™ CONNECTORS**  
(UP TO 24CH)



**COTS M83526 (TFOCA-II®) CONNECTORS**  
(UP TO 12 CH)



**TFOCA 3 CONNECTOR**  
(UP TO 24CH)



**MHC®-T3 CONNECTORS**  
(UP TO 48 CH)

## HYBRID (FIBER & ELECTRIC) CONNECTORS

OCC Harsh Environment Hybrid solutions are also available, which integrate both copper and fiber within a single cable and connector to provide power and communications to your network devices. These connectors, combined with OCC's tight buffer cables makes these systems ideal for areas that have extreme environmental conditions such as military, mining, drilling rigs, remote power and broadcast.



**F-LINK™ CONNECTOR**  
(UP TO 33 CH)



**MHC®-T2 CONNECTOR**  
(UP TO 8 CH)



**EZ-MATE™ HYBRID CONNECTOR**  
(12 CH)

## OTHER HARSH ENVIRONMENT CONNECTORS



**PIERSIDE CONNECTORS**  
(UP TO 12 CH)



**L-JACK™ CONNECTORS**



**R-JACK® INDUSTRIAL RJ-45 SOLUTION**

# FIBER OPTIC ENCLOSURES

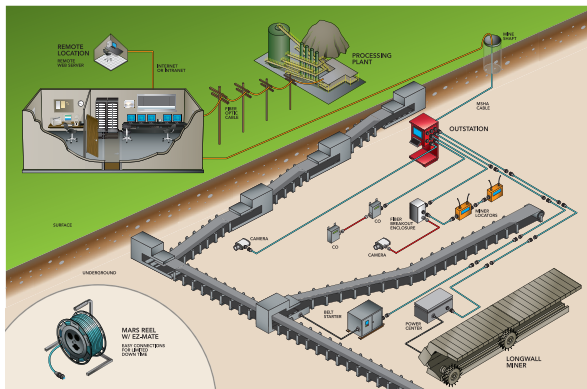
## WALL MOUNT FIBER ENCLOSURES

DESCRIPTION	OCC PART #
Wall Mount Fiber Enclosure, Holds up to 6 Adapter Plates, 17"W x 16.3"H x 5"D, No Inner Door	<b>WTC6APB</b>
Wall Mount Fiber Enclosure, Holds up to 12 Adapter Plates, 18.5"W x 18"H x 6"D, No Inner Door	<b>WTC12APB</b>
Wall Mount Fiber Legacy Enclosure, with Lockable Inner Door, Holds up to 4 Adapter Plates, 13"H x 12"W x 3.5"D	<b>WTC12/24B</b>
Wall Mount Fiber Enclosure, Holds up to 2 Adapter Plates, 15"W x 11.75H x 2"D, 2-Doors, Conduit Capable	<b>WTC2BN</b>
Wall Mount Mini Enclosure, Holds 1 Adapter Plate, 7"W x 6"H x 1.36"D	<b>ZDMB6B</b>
Zone Distribution Enclosure, (Empty) holds 1 Adapter Plate, 9.5"W x 7"H x 1.5"D	<b>ZDMBC1AP</b>
Fiber Distribution Hub Enclosure, 13RU, 21.18"W x 24.78"H x 11"D	<b>FDH13RU</b>

## DIN RAIL FIBER ENCLOSURES

DESCRIPTION	OCC PART #
DIN Rail Fiber Enclosure, Holds 1 Adapter Plate, Cable Entry Grommet, Black, Empty	<b>DTC1AP</b>
DIN Rail Fiber Enclosure, Holds 2 Adapter Plates, Cable Entry Grommet, Black, Empty	<b>DTC2AP</b>
DIN Rail Fiber Enclosure, Holds 1 Adapter Plate, Liquid Tight Cable Gland, Black, Empty	<b>DTC1APG</b>
DIN Rail Fiber Enclosure, Holds 2 Adapter Plates, Liquid Tight Cable Gland, Black, Empty	<b>DTC2APG</b>

DESCRIPTION	OCC PART #
NEMA 4X Enclosure, 12-Port, Holds 2 Adapter Plates, 10"H x 8"W x 4"D	<b>OC012NX</b>
NEMA 4X Enclosure, 12-Port, Holds 2 Adapter Plates, Includes Patch/Splice Block, 10"H x 8"W x 4"D	<b>OC012NXSB</b>
NEMA 4X Enclosure, 48-Port, Holds 8 Adapter Plates, 16.5"H x 14.5"W x 8.1"D	<b>OC048NX</b>
NEMA 4X Enclosure, Patch & Splice, Includes 1-W48S Kit (2-24 Fiber Splice Trays, Transition Trays, Mounting Hardware, Cable Management, & Port Identification), 16.5"H x 14.5"W x 8.1"D	<b>OC048NXS</b>
NEMA 3 Outdoor Rated Enclosure, 6-Port, Holds 1 Adapter Plate, 11.5"H x 8.5"W x 3"D	<b>OC06N</b>
NEMA 3 Outdoor Rated Enclosure, 12-Port, Holds 2 Adapter Plates, 11.5"H x 8.5"W x 3"D	<b>OC012N</b>



**OCC ROANOKE, VA**  
 Corporate Headquarters and Fiber Optic Cable Manufacturing Facility  
 5290 Concourse Drive  
 Roanoke, VA 24019 USA  
**540.265.0690 or 800.622.7711**

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 Harsh Environment and Specialty Connectivity Manufacturing Facility  
 1700 Capital Avenue, Suite 150  
 Plano, TX 75074 USA  
**972.509.1500 or 877.509.1500**

**OCC ASHEVILLE, NC**  
 Enterprise Connectivity Manufacturing Facility  
 33 Superior Way  
 Swannanoa, NC 28778 USA  
**828.298.2260 or 800.880.7674**

**VISIT US AT**  
**OCCFIBER.COM**

# MARS REELS

## MODULAR ADVANCED REEL SYSTEMS (MARS)

OCC PART #	DESCRIPTION
<b>AFO-0100-B-X-1</b>	MARS Reel, 100 Meters, Black
<b>AFO-0300-B-X-1</b>	MARS Reel, 300 Meters, Black
<b>AFO-0500-B-X-1</b>	MARS Reel, 500 Meters, Black
<b>AFO-0750-B-X-1</b>	MARS Reel, 750 Meters, Black
<b>AFO-1000-B-X-1</b>	MARS Reel, 1000 Meters, Black
<b>AFO-1250-B-X-1</b>	MARS Reel, 1250 Meters, Black

\*Also available in Tan or Green: Replace B with "T" of "G".

## T-FRAME

OCC PART #	DESCRIPTION
<b>ABF-0750-X-X-B</b>	T-Frame with brake, 750 Meters, Black
<b>ABF-1000-X-X-B</b>	T-Frame with brake, 1000 Meters, Black
<b>ABF-1250-X-X-B</b>	T-Frame with brake, 1250 Meters, Black
<b>ARA-0750-X-X-B</b>	T-Frame without brake, 750 Meters, Black
<b>ARA-1000-X-X-B</b>	T-Frame without brake, 1000 Meters, Black
<b>ARA-1250-X-X-B</b>	T-Frame without brake, 1250 Meters, Black

\*Also available in Tan or Green: Replace B with "T" of "G".

## TRI-POD EZ-FOLD

OCC PART #	DESCRIPTION
<b>ATD-0100-1-1-B</b>	Tri-Pod with brake, 100 Meters, Black
<b>ATD-0300-1-1-B</b>	Tri-Pod with brake, 300 Meters, Black
<b>ATD-0500-1-1-B</b>	Tri-Pod with brake, 500 Meters, Black
<b>ATD-0100-0-1-B</b>	Tri-Pod without brake, 100 Meters, Black
<b>ATD-0300-0-1-B</b>	Tri-Pod without brake, 300 Meters, Black
<b>ATD-0500-0-1-B</b>	Tri-Pod without brake, 500 Meters, Black

\*Also available in Tan or Green: Replace B with "T" of "G".



**SAME DAY SHIPPING**  
**ON IN-STOCK ITEMS IF ORDERED BY 12PM, EST.**  
**800-622-7711**