

[FieldCast]<sup>®</sup>  
by Rosenberger OSI



# BE FAST. BE SMART. GO FIBER.

THE HIGH-SPEED CABLING SOLUTION FOR THE 4K WORLD - AND BEYOND.

**AFFORDABLE**, HIGH QUALITY FIBER OPTICS

**LIGHT**, COMPACT AND EASY TO USE

**ROBUST**, RELIABLE AND BUILT TO LAST



## FIELDCAST<sup>®</sup> – POWERING THE BROADCAST REVOLUTION

### THE AFFORDABLE FIBER OPTIC CABLING SOLUTION – JUST IN TIME

With its 4K resolution, Ultra HD is craving for higher bandwidth connections, not only to feed individual monitors and video walls, but also for connecting cameras to switcher equipment in live events settings.

With latest 6Gb chip technology, SDI and HDMI video standards allow for 4K signals to be transported from one place to the other – however traditional copper cabling technology severely limits maximum cable lengths.

Already 12Gbit hardware solutions have hit the digital film and video markets, and they are asking for even higher bandwidths to be pushed through the cable, even further limiting maximum cable lengths.

### HIGH QUALITY, HIGH BANDWIDTH CABLING AT A DECENT PRICE LEVEL

Video equipment for both studio use and live events recording is becoming lower cost at a steady rate, and 4K cameras, switchers and routers already have reached us at amazingly low price levels.

By consequence there is a growing demand for high quality cable connectivity that can make all work together in a perfect way, with zero signal loss and no delays. But even then, the price should be comparably low.

Here's where FieldCast<sup>®</sup> comes in, the world's first standardized fiber optic product sold from stock.

### SIMPLE AND STRAIGHTFORWARD

All cable connectors and chassis connectors have an easy to grasp color code, so it's no difficulty at all to make the right connections, any time, any place.

For instance, you can cascade main cables using coupler cables, and as long as all parts have the same color code the whole chain will keep working like a charm.

### STANDARD PRODUCT, RIGHT FROM STOCK

Main cables come in two cable qualities, Ultra Light and Heavy Duty, and at standard lengths of 100 meters and 200 meters, wrapped around professional quality Schill drums.

Chassis connectors are D-shape, fitting into any standard panel, and all have back outlet to LC connectors. Other lengths or configurations can be delivered on request and more standard products will be added depending on demand.

SINGLE MODE 2CORE



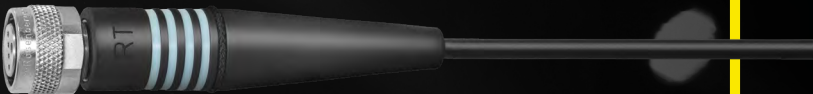
SINGLE MODE 4CORE



MULTIMODE 2CORE



MULTIMODE 4CORE



## THE FIELDCAST® PRODUCTS IN DETAIL

The fiber cable of the FieldCast® product line can be either 2Core or 4Core on the one hand, and single mode or multimode on the other hand. So you can choose for 2Core single mode fiber cabling, 2Core multimode, 4Core single mode or 4Core multimode.

- The **2Core products** have two cores of fiber and are indicated by 2 rings on the connectors, the **4Core products** have four cores of fiber and are indicated by 4 rings on the connectors.
- The **single mode products** (SM) have 9/125 fiber core with yellow rings on the connector, the **multimode products** (MM) have 50/125 OM3 fiber core with blue rings on the connectors.

The FieldCast® product line consists of different types of products to build an infrastructure with fiber connectivity. These are the main product categories:

1. **Main cables:** long fiber cables to bridge long distances
2. **Coupler cables:** to chain FieldCast® main cables
3. **Chassis connectors:** to connect FieldCast® main cable to equipment with standard LC fiber connectivity
4. **Adapter cables:** to connect FieldCast® main cable to equipment with standard LC fiber connectivity over cable
5. **Accessories:** things you might need in the field

### 1. FIELDCAST® MAIN CABLES (see pages 8 to 11)



- Purpose: to bridge long distances via fiber
- Highest quality Rosenberger OSI male cable connectors
- Standard 100m or 200m, other lengths on request
- Standard on Schill drum, without drum on request; 100m on Schill GT310 drum, 200m on GT380 drum

For the main cables there is an **Ultra Light version** and a **Heavy Duty version**.

- The Ultra Light cable is a high quality robust 4.8mm cable.
- The Heavy Duty cable is a high quality extremely robust 7.5mm tactical cable, initially meant for military purposes and very much suitable for outdoor live events cabling purposes.

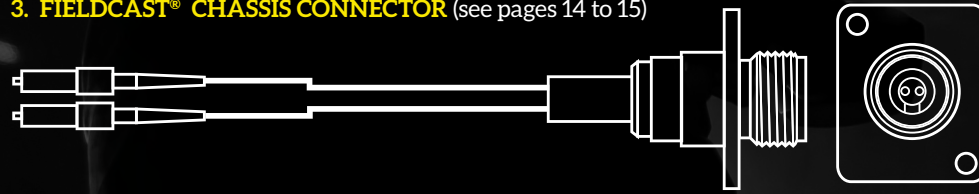


## 2. FIELDCAST® COUPLER CABLES (see pages 12 to 13)



- Purpose: to chain FieldCast® main cables
- Highest quality Rosenberger OSI female cable connectors
- Heavy Duty coupler cable to chain FieldCast® cables
- Standard 0.50m

## 3. FIELDCAST® CHASSIS CONNECTOR (see pages 14 to 15)



- Purpose: to connect FieldCast® main cable to equipment with standard LC fiber connectivity
- Highest quality Rosenberger OSI female chassis connector
- Connects FieldCast® cable to equipment with standard LC fiber connectivity
- Standard 0.25m and 0.50m back outlet, other lengths on request
- Standard LC connectors on outlet, PC polished, other connectors on request
- 2Core with two LC connectors on outlet, 4Core with four LC connectors on outlet

## 4. FIELDCAST® ADAPTER CABLES (see pages 16 to 17)



- Purpose: to connect FieldCast® main cable to equipment with standard LC fiber connectivity
- Highest quality Rosenberger OSI female cable connector
- Heavy Duty cable to connect FieldCast® cable to equipment with standard LC fiber connectivity
- Standard 2m, other lengths on request
- Standard LC connectors on outlet, PC polished, other connectors on request
- 2Core with two LC connectors on outlet, 4Core with four LC connectors on outlet

## 4. FIELDCAST® ACCESSORIES (see page 18)

- Things you might need in the field – e.g protection cover and cleaning kit.

## MAIN CABLE – 2CORE

[Complete cable assembly on drum]



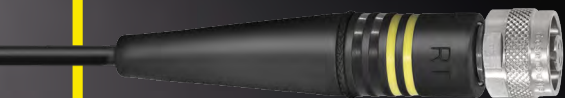
**SINGLE MODE 2CORE** (9/125 fiber core)

**Ultra Light** (Cable diameter 4.8 mm)

Product	Code
FieldCast® 2Core SM Ultra Light, 100m on drum	c0100
FieldCast® 2Core SM Ultra Light, 200m on drum	c0200

**Heavy Duty** (Cable diameter 7.5 mm)

Product	Code
FieldCast® 2Core SM Heavy Duty, 100m on drum	c1100
FieldCast® 2Core SM Heavy Duty, 200m on drum	c1200



Picture shows 2Core main cable, single mode, Ultra Light



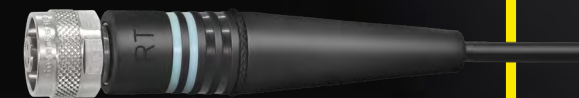
**MULTIMODE 2CORE** (50/125 OM3 fiber core)

**Ultra Light** (Cable diameter 4.8 mm)

Product	Code
FieldCast® 2Core MM Ultra Light, 100m on drum	c2100
FieldCast® 2Core MM Ultra Light, 200m on drum	c2200

**Heavy Duty** (Cable diameter 7.5 mm)

Product	Code
FieldCast® 2Core MM Heavy Duty, 100m on drum	c3100
FieldCast® 2Core MM Heavy Duty, 200m on drum	c3200





## MAIN CABLE – 4CORE

[Complete cable assembly on drum]



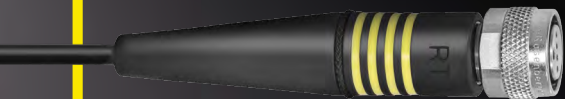
**SINGLE MODE 4CORE** (9/125 fiber core)

**Ultra Light** (Cable diameter 4.8 mm)

Product	Code
FieldCast® 4Core SM Ultra Light, 100m on drum	c4100
FieldCast® 4Core SM Ultra Light, 200m on drum	c4200

**Heavy Duty** (Cable diameter 7.5 mm)

Product	Code
FieldCast® 4Core SM Heavy Duty 100m on drum	c5100
FieldCast® 4Core SM Heavy Duty, 200m on drum	c5200



Picture shows 4Core main cable, single mode, Ultra Light



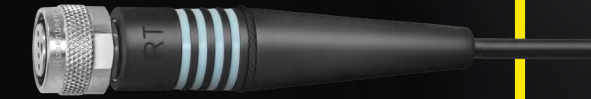
**MULTIMODE 4CORE** (50/125 OM3 fiber core)

**Ultra Light** (Cable diameter 4.8 mm)

Product	Code
FieldCast® 4Core MM Ultra Light, 100m on drum	c6100
FieldCast® 4Core MM Ultra Light, 200m on drum	c6200

**Heavy Duty** (Cable diameter 7.5 mm)

Product	Code
FieldCast® 4Core MM Heavy Duty, 100m on drum	c8100
FieldCast® 4Core MM Heavy Duty, 200m on drum	c8200



# COUPLER CABLES – 2CORE



**SINGLE MODE 2CORE** (9/125 fiber core)

Product	Code
FieldCast® 2Core SM coupler cable	c9200



**MULTIMODE 2CORE** (50/125 OM3 fiber core)

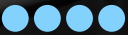
Product	Code
FieldCast® 2Core MM coupler cable	c9220

# COUPLER CABLES – 4CORE



**SINGLE MODE 4CORE** (9/125 fiber core)

Product	Code
FieldCast® 4Core SM coupler cable	c9240



**MULTIMODE 4CORE** (50/125 OM3 fiber core)

Product	Code
FieldCast® 4Core MM coupler cable	c9260



Picture shows 4Core coupler cable, single mode



## CHASSIS CONNECTOR – 2CORE



**SINGLE MODE 2CORE** (9/125 fiber core)

Product	Code
FieldCast® 2Core SM chassis connector	c9000



**MULTIMODE 2CORE** (50/125 OM3 fiber core)

Product	Code
FieldCast® 2Core MM chassis connector	c9020

Picture shows 4core chassis connector, single mode

## CHASSIS CONNECTOR- 4CORE



**SINGLE MODE 4CORE** (9/125 fiber core)

Product	Code
FieldCast® 4Core SM chassis connector	c9040



**MULTIMODE 4CORE** (50/125 OM3 fiber core)

Product	Code
FieldCast® 4Core MM chassis connector	c9060



## ADAPTER CABLES – 2CORE



**SINGLE MODE 2CORE** (9/125 fiber core)

Product	Code
FieldCast® 2Core SM adapter cable	c9100



**MULTIMODE 2CORE** (50/125 OM3 fiber core)

Product	Code
FieldCast® 2Core MM adapter cable	c9120

## ADAPTER CABLES – 4CORE



**SINGLE MODE 4CORE** (9/125 fiber core)

Product	Code
FieldCast® 4Core SM adapter cable	c9140



**MULTIMODE 4CORE** (50/125 OM3 fiber core)

Product	Code
FieldCast® 4Core MM adapter cable	c9160



Picture shows 2Core adapter cable, multimode

## ACCESSORIES

Product	Code
FieldCast® leather protection cover	c9290
FieldCast® cleaning kit	c9291

## ADVANCED TECHNOLOGY, MADE FROM PROFOUND KNOWLEDGE

FieldCast® is the result of an amazing endeavour at Rosenberger OSI, one of the leading companies in the area of high performance fiber optic cabling. Recognizing the revolution that takes place in the broadcast environment, we decided to form a dedicated team to take up the challenge and develop highest quality fiber connectors at lowest possible cost.

In doing so, we heavily built upon decades of dedicated experience in all areas of fiber optic cabling – from data centers of any size up to industrial and telecommunications. Every day, we strive to improve the performance of our products even further. We are proud that we can now present you the amazing result of this endeavor: FieldCast®.



Our production site in Taksony, Hungary: All our products are subjected to extensive quality inspections





**[FieldCast]<sup>®</sup>**

by Rosenberger OSI

[www.fieldcast.de](http://www.fieldcast.de)

Reseller

**UK & Ireland Distributor:**

Holdan Limited – [www.holdan.co.uk](http://www.holdan.co.uk) – 01457851000

**EMEA Master Distributor:**

Mediamachine – [www.mediamachine.eu](http://www.mediamachine.eu)