

FCF8-20-01-L-03.00-S

FCF8-10-01-L-03.00-S



FCS8-20-01-L-S-A-TR

FCS8-10-01-L-S-A-TR

**FCF8, FCS8 SERIES**

**(0.80 mm) .0315"**

# HIGH-SPEED COST EFFECTIVE COAX CABLE

## SPECIFICATIONS

For complete specifications see [www.samtec.com?FCF8](http://www.samtec.com?FCF8)

**Cable:** 38 AWG coax  
**Overmold:** Nylon  
**Terminal Material:** Phosphor Bronze  
**Contact Plating:** Au or Sn over 50 μm (1.27 μm) Ni  
**Operating Temp Range:** -25 °C to +105 °C  
**Current Rating:** 1.8 A per pin (1 pin powered)  
**RoHS Compliant:** Yes

## RECOGNITIONS

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)

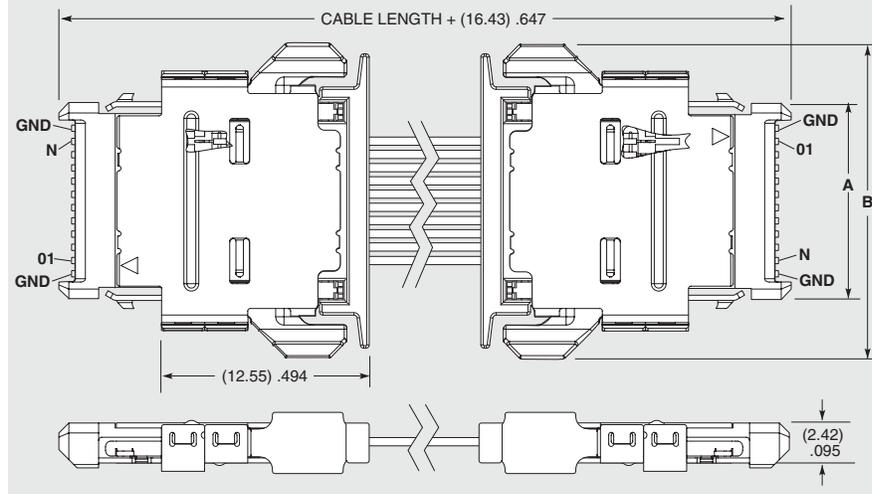


**Notes:**  
 Design your High-Speed Cable with Samtec's High-Speed Cable Solutionator® at [www.samtec.com/hdr](http://www.samtec.com/hdr)

Cable lengths longer than 40.00" (1 meter) are not supported with S.I. test data.

Some lengths, styles and options are non-standard, non-returnable.

|                            |                         |                      |                                                                   |                                                                  |          |
|----------------------------|-------------------------|----------------------|-------------------------------------------------------------------|------------------------------------------------------------------|----------|
| <b>FCF8</b>                | <b>NO. OF POSITIONS</b> | <b>01</b>            | <b>PLATING OPTION</b>                                             | <b>CABLE LENGTH</b>                                              | <b>S</b> |
| <b>Mates with:</b><br>FCS8 |                         | <b>-10, -20, -30</b> | <b>-L</b><br>= 10 μm (0.25 μm) Gold on contact, Matte Tin on tail | <b>"XX.XX"</b><br>= Length in Inches<br>03.00" (76.2 mm) minimum |          |



| NO. OF POSITIONS | A             | B             |
|------------------|---------------|---------------|
| -10              | (11.85) .467  | (19.00) .748  |
| -20              | (19.85) .781  | (27.00) 1.063 |
| -30              | (27.85) 1.096 | (35.00) 1.378 |

**ALSO AVAILABLE (MOV Required)**

- Other sizes and lengths

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?FCS8](http://www.samtec.com?FCS8)

**Insulator Material:** Black LCP  
**Contact Material:** BeCu  
**Contact Plating:** Au or Sn over 50 μm (1.27 μm) Ni  
**Shield:** Nickel Plated Phosphor Bronze  
**Operating Temp Range:** -55 °C to +125 °C  
**Current Rating:** 1.8 A per pin (1 pin powered)  
**RoHS Compliant:** Yes

## PROCESSING

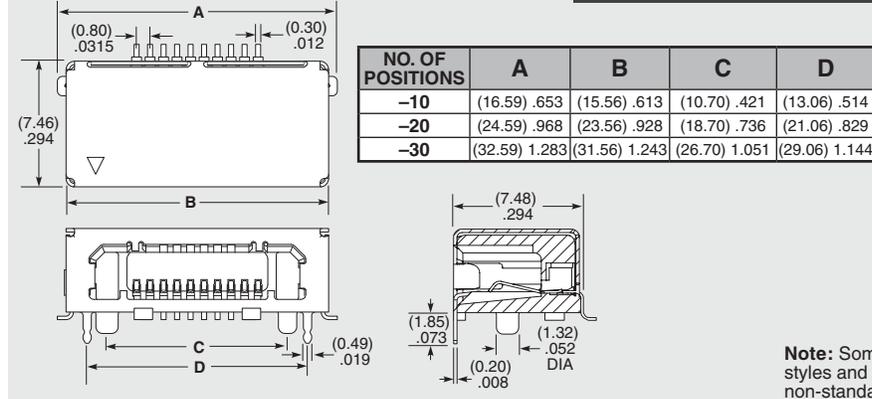
**Lead-Free Solderable:** Yes  
**SMT Lead Coplanarity:** (0.15 mm) .006" max\*  
 \*(.004" stencil solution may be available; contact [IPG@samtec.com](mailto:IPG@samtec.com))

## RECOGNITIONS

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)



|                            |                         |                      |                                                                   |          |          |                             |
|----------------------------|-------------------------|----------------------|-------------------------------------------------------------------|----------|----------|-----------------------------|
| <b>FCS8</b>                | <b>NO. OF POSITIONS</b> | <b>01</b>            | <b>PLATING OPTION</b>                                             | <b>S</b> | <b>A</b> | <b>TR</b>                   |
| <b>Mates with:</b><br>FCF8 |                         | <b>-10, -20, -30</b> | <b>-L</b><br>= 10 μm (0.25 μm) Gold on contact, Matte Tin on tail |          |          | <b>-TR</b><br>= Tape & Reel |



| NO. OF POSITIONS | A             | B             | C             | D             |
|------------------|---------------|---------------|---------------|---------------|
| -10              | (16.59) .653  | (15.56) .613  | (10.70) .421  | (13.06) .514  |
| -20              | (24.59) .968  | (23.56) .928  | (18.70) .736  | (21.06) .829  |
| -30              | (32.59) 1.283 | (31.56) 1.243 | (26.70) 1.051 | (29.06) 1.144 |

**RUGGEDIZED BY SAMTEC**

- Weld tabs
- Positive latching
- Shielded for EMI protection

**Note:** Some lengths, styles and options are non-standard, non-returnable.

*Due to technical progress, all designs, specifications and components are subject to change without notice.*

[WWW.SAMTEC.COM](http://WWW.SAMTEC.COM)

All parts within this catalog are built to Samtec's specifications. Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.

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