

FCF8-20-01-L-03.00-S

FCF8-10-01-L-03.00-S

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

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

(0.80 mm) .0315"

FCF8, FCS8 SERIES

# 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  $\mu$ " (1.27  $\mu$ m) 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.

FCF8

NO. OF POSITIONS

01

PLATING OPTION

CABLE LENGTH

S

Mates with:  
FCS8

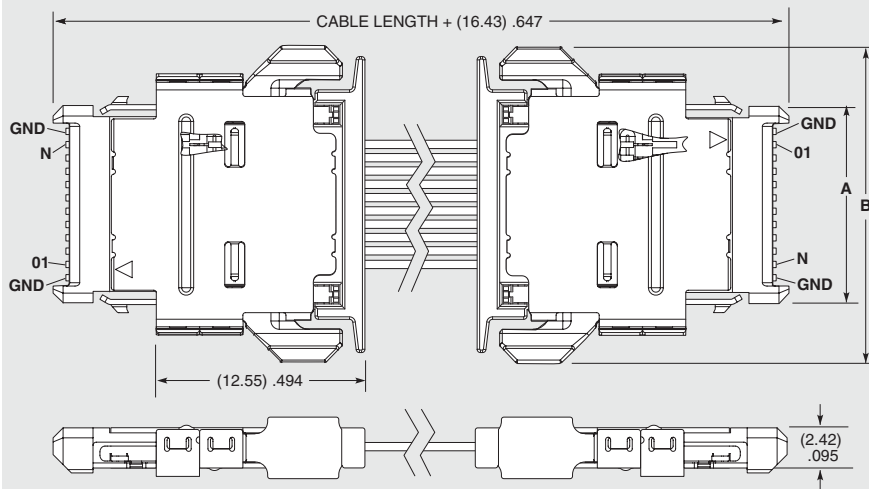
-10, -20, -30

-L

= 10  $\mu$ " (0.25  $\mu$ m)  
 Gold on contact,  
 Matte Tin on tail

- "XX.XX"

= Length in Inches  
 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  $\mu$ " (1.27  $\mu$ m) 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)



FCS8

NO. OF POSITIONS

01

PLATING OPTION

S

A

TR

Mates with:  
FCF8

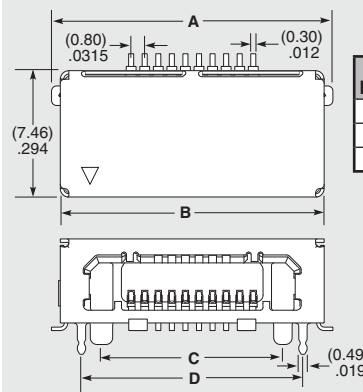
-10, -20, -30

-L

= 10  $\mu$ " (0.25  $\mu$ m)  
 Gold on contact,  
 Matte Tin on tail

-TR

= Tape &amp; 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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