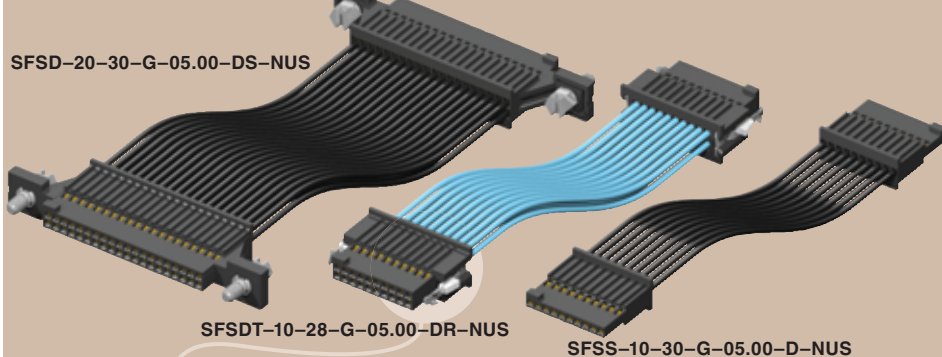




(1,27 mm) .050"

SFSS, SFSST, SFSD, SFSST SERIES

SFSD-20-30-G-05.00-DS-NUS



SFSDT-10-28-G-05.00-DR-NUS

SFSS-10-30-G-05.00-D-NUS

# TIGER EYE™ DISCRETE WIRE CABLES

## SPECIFICATIONS

For complete specifications see [www.samtec.com?SFSS](http://www.samtec.com?SFSS), [www.samtec.com?SFSD](http://www.samtec.com?SFSD), [www.samtec.com?SFSST](http://www.samtec.com?SFSST) or [www.samtec.com?SFSST](http://www.samtec.com?SFSST)

### Insulator Material:

Black LCP

### Contact Material:

BeCu

### Plating:

Au over 50µ" (1,27 µm) Ni

### Current Rating (SFSD/TFC):

2.9 A per pin

(1 pin powered per row)

### Operating Temp Range:

-35°C to +80°C (PVC)

-55°C to +125°C (\*Teflon®)

### Voltage Rating:

275 VAC (PVC)

235 VAC (\*Teflon®)

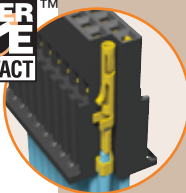
### Wire:

28 or 30 AWG

### RoHS Compliant:

Yes

Mates with:  
TFM, TFC (-SR & -DR  
requires -WT option)



Single or  
Double  
Ended

28 or 30  
AWG



- Retention latch option
- Screw down option

(1,27 mm)  
.050"  
pitch

Retention Latch  
and Screw Down  
options

\*DuPont™ Teflon® is a registered trademark of the E.I. du Pont de Nemours and Company or its affiliates.

## -SR/-DR APPLICATIONS

When Mated to TFM-WT

| Terminal/Housing Retention |                   |
|----------------------------|-------------------|
| Min                        | (22,25 N) 5.0 lb  |
| Max                        | (26,52 N) 5.96 lb |
| Avg                        | (24,34 N) 5.47 lb |

| Wire/Crimp Retention |                   |
|----------------------|-------------------|
| Min                  | (20,47 N) 4.6 lb  |
| Max                  | (36,49 N) 8.2 lb  |
| Avg                  | (29,95 N) 6.73 lb |

## ALSO AVAILABLE (MOQ Required)

- Locking feature for mating to the TFML Series
- Color coded cable \*Teflon® N/A
- Other plating options Contact Samtec.

**Note:** For wiring option and pin position location information, refer to drawings on web.

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

| TYPE STRIP                                                                                                                                                                               | POSITIONS PER ROW                                                                 | WIRE GAUGE                             | PLATING OPTION                                                   | ASSEMBLED LENGTH                                                                                                                 | END OPTION                                                                                                                                                                                                                                                                                                     | END 2 OPTION                                                                                                                                                                                                                                                                                           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------|------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>SFSS</b><br>= Single Row PVC Cable<br><br><b>SFSST</b><br>= Single Row *Teflon® Cable<br><br><b>SFSD</b><br>= Double Row PVC Cable<br><br><b>SFSST</b><br>= Double Row *Teflon® Cable | -03, -04, -05, -07, -10, -15, -20, -25, -40, -50<br>(Call Samtec for other sizes) | -30<br>= 30 AWG<br><br>-28<br>= 28 AWG | -G<br>= 10µ" (0,25 µm)<br>Gold on contact, Gold Flash on balance | -"XX.XX"<br>= Assembled Length in Inches (76,20 mm)<br>03.00" min. for -S end option (82,60 mm)<br>03.25" min. for -D end option | -S<br>= Single Ended<br><br>-D<br>= Double Ended<br><br>Specify "S" for single ended and "D" for double ended.<br><br>-(X)R<br>= Retention Latch (TFM-WT option required for mating)<br><br>-(X)S<br>= Screw Down (Not available in -50 positions) (Not available with SFSS, SFSST) (Mates with TFM-DS option) | Requires -D, -DS or -DR (End 1 Notch Up)<br><br>-NUS<br>= Notch up, straight (Pin 1 to Pin N-1)<br><br>-NDS<br>= Notch down, straight (Pin 1 to Pin 2)<br><br>-NUS<br>= Notch up, crossed (Pin 1 to Pin N) (SFSD/ SFSST only)<br><br>-NDX<br>= Notch down, crossed (Pin 1 to Pin 1) (SFSD/ SFSST only) |
|                                                                                                                                                                                          |                                                                                   |                                        |                                                                  |                                                                                                                                  |                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                        |

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

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