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[SFSD-10-28-H-10.00-DR-NUS](#)

[SFSD-05-28-H-10.00-SR](#)

[SFSD-15-28-H-10.00-DR-NDX](#)

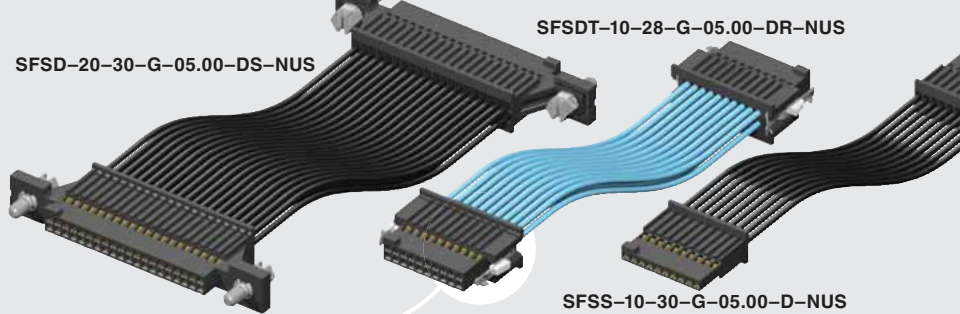
[SFSD-10-28-H-05.00-DR-NDS](#)

[SFSD-07-28C-G-10.00-S](#)

**EN**  
This Datasheet is presented by  
the manufacturer

**DE**  
Dieses Datenblatt wird vom  
Hersteller bereitgestellt

**FR**  
Cette fiche technique est  
présentée par le fabricant



SFSS, SFSST, SFSD, SFSDT SERIES

(1,27 mm) .050"

# TIGER EYE™ DISCRETE CABLE ASSEMBLY

## 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?SFSDT](http://www.samtec.com?SFSDT) 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

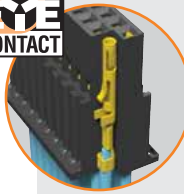
(1 pin powered per row)  
**Operating Temp Range:** -10°C to +80°C (PVC)  
-40°C to +125°C (\*Teflon®)

**Voltage Rating:** 275 VAC (PVC)  
235 VAC (\*Teflon®)

**Wire:** 28 or 30 AWG  
**RoHS Compliant:** Yes

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

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



## -SR/-DR APPLICATIONS

When Mated to TFM-WT

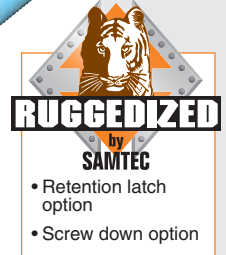
Terminal/Housing Retention		
Min	(22,25 N)	5.0 lb
Max	(26,52 N)	5.96 lb
Avg	(24,34 N)	5.47 lb

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

Single or Double Ended

Cable plugs also available. See TFSS Series

28 or 30 AWG



- Retention latch option
- Screw down option

Retention Latch and Screw Down options

## RECOGNITIONS

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



## APPLICATION

-28C CABLE COLOR CODING	
PIN	COLOR
1	BROWN
2	RED
3	ORANGE
4	YELLOW
5	GREEN
6	VIOLET
7	GRAY
8	WHITE
9	BLACK
10	BLUE
ETC	REPEAT

## ALSO AVAILABLE (MOQ Required)

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

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

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> = Single Row PVC Cable  <b>SFSST</b> = Single Row *Teflon® Cable  <b>SFSD</b> = Double Row PVC Cable  <b>SFSDT</b> = Double Row *Teflon® Cable	-03, -04, -05, -07, -10, -15, -20, -25, -40, -50 (Standard sizes)	-30 = 30 AWG  -28 = 28 AWG  -28C = Color Coded Cable (SFSS, SFSD only)	-G = 10µ" (0,25 µm) Gold on contact, Gold Flash on balance	"XX.XX" = Assembled Length in Inches (76,20 mm) 03.00" min. for -S end option (82,60 mm) 03.25" min. for -D end option	-S = Single Ended  -D = Double Ended  For -(X) specify "S" for single ended and "D" for double ended.  -(X)R = Retention Latch (TFM-WT option required for mating)  -(X)S = 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)  -NUS = Notch up, straight (Pin 1 to Pin N-1)  -NDS = Notch down, straight (Pin 1 to Pin 2)  -NUS = Notch up, crossed (Pin 1 to Pin N) (SFSD/SFSDT only)  -NDX = Notch down, crossed (Pin 1 to Pin 1) (SFSD/SFSDT only)
<p>(0,25) .010 (1,65) .065 (2,86) .113</p> <p>Assembled Length ± (3,18) .125</p> <p>-SR</p>	<p>(6,35) .250 (11,18) .440 (5,08) .200</p> <p>End 1 Notch (Always Up)</p> <p>End 2 notch location determined by part number</p> <p>SFSD -D-NUS SFSS</p>	<p>No. of Positions x (1,27) .050 + (0,38) .015</p> <p>(1,27) .050 (2,03) .080</p>		<p>(5,08) .200</p> <p>Assembled Length ± (3,18) .125</p>		

**Note:**  
Teflon® cable is intended for crimp only. Contact Samtec for solderable cable applicators.

SFSD-10-28-H-05.  
00-DR-NUS

SFSD-10-28-H-05.  
00-DR-NUX

SFSD-10-28-H-10.  
00-DR-NDS

SFSD-10-28-H-10.  
00-DR-NDX

SFSD-15-28-H-10.  
00-DR-NDS

SFSD-15-28-H-10.  
00-DR-NUX

SFSD-20-28-H-05.  
00-DR-NDX

SFSD-20-28-H-10.  
00-DR-NUS

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