



(1,27mm) .050"

SFSS, SFSST, SFSD, SFSDT SERIES

SFSD-20-30-G-05.00-D-NDS

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?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" (1,27µm) Ni

**Operating Temp Range:** -55°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

**Retention latch option**

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



Retention latch option

Single or Double Ended

28 or 30 AWG

(1,27mm) .050" pitch

Retention Latch for Single or Double row

CURRENT RATING	
AMBIENT TEMP	SFSD/TFC
20°C	3.7A
40°C	3.4A
60°C	2.9A
95°C	1.9A
6 POSITIONS (2x3) 28 AWG POWERED	

## -SR/-DR APPLICATIONS

When Mated to TFM-WT

### Terminal/Housing Retention

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

### Wire/Crimp Retention

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

## APPLICATION SPECIFIC OPTION

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

\*Teflon® is a trademark of Dupont.

**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> = 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	-05, -07, -10, -15, -20, -25, -30, -35, -40, -45, -50 (Call Samtec for other sizes)	-30 = 30 AWG  -28 = 28 AWG	-G = 10µ" (0,25µm) Gold on contact, Gold Flash on balance	-"XX.XX" = Assembled Length in Inches (76,20mm) 03.00" min. for -S end option (82,60mm) 03.25" min. for -D end option	-S = Single Ended  -D = Double Ended  -SL* = Single Ended with Friction Lock  -DL* = Double Ended with Friction Lock  -SR = Single Ended with Retention Latch (TFM -WT option required for mating)  -DR = Double Ended with Retention Latch (TFM -WT option required for mating)	Requires -D, -DR or -DL (End No. 1 Notch Up).  -NUS = Notch up, straight  -NDS = Notch down, straight  -NUX = Notch up, crossed (SFSD/SFSDT only)  -NDX = Notch down, crossed (SFSD/SFSDT only)

No. of Positions x (1,27) .050 + (0,38) .015  
 (6,35) .250 (1,27) .050 (2,03) .080 (5,08) .200  
 (11,18) .440 (1,27) .050 (6,32) .249  
 (0,25) .010 (1,65) .065 (2,86) .113  
 Assembled Length ±(3,18) .125  
 Assembled Length ±(3,18) .125  
 Notch End 1  
 Notch End 2

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

WWW.SAMTEC.COM