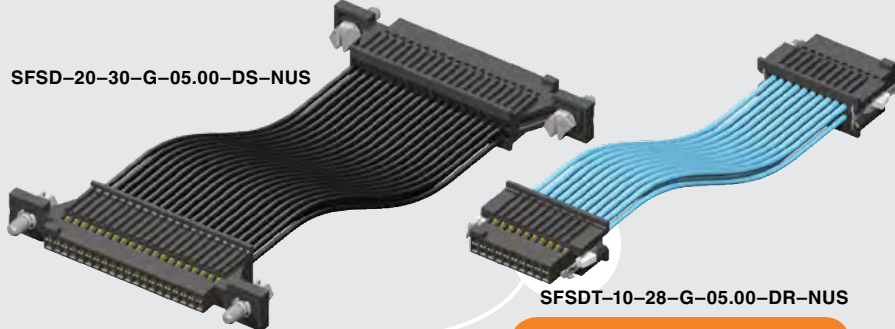




SFSD-20-30-G-05.00-DS-NUS



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

SFSD, SFSDT SERIES

(1.27 mm) .050"

# TIGER EYE™ DISCRETE CABLE ASSEMBLY

## SPECIFICATIONS

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

**Insulator Material:**

Black LCP

**Contact Material:**

BeCu

**Plating:**

Au over 50 μ" (1.27 μm) Ni

**Current Rating (SFSD/TFC):**

2.9 A per pin

**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 TFSD Series

RUGGEDIZED BY SAMTEC

- Retention latch option
- Screw down option

Retention latch and screw down options

28 or 30 AWG

## RECOGNITIONS

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



FILE NO. E111594

## 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
<p><b>SFSD</b> = Double Row PVC Cable</p> <p><b>SFSDT</b> = Double Row *Teflon® Cable</p>	<p>-03, -04, -05, -07, -10, -15, -20, -25, -40, -50 (Standard sizes)</p>	<p>-28 = 28 AWG</p> <p>-28C = Color Coded Cable (SFSD only)</p> <p>-30 = 30 AWG</p>	<p>-G = 10 μ" (0.25 μm) Gold on contact, Gold Flash on balance</p>	<p>-"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</p>	<p>-S = Single Ended</p> <p>-D = Double Ended</p> <p>For -(X) specify "S" for single ended and "D" for double ended.</p> <p>-(X)R = Retention Latch (TFM-WT option required for mating)</p> <p>-(X)S = Screw Down (Not available in -03, -04 &amp; -50 positions) (Mates with TFM-DS option)</p>	<p>Requires -D, -DS, -DR (End 1 Notch Up)</p> <p>-NUS = Notch up, straight (Pin 1 to Pin N-1)</p> <p>-NDS = Notch down, straight (Pin 1 to Pin 2)</p> <p>-NUS = Notch up, crossed (Pin 1 to Pin N)</p> <p>-NDX = Notch down, crossed (Pin 1 to Pin 1)</p>
<p>-SR</p>						
						<p>-D-NUS</p>
						<p>SFSD or SFSDT</p>