

C28S, CJT SERIES

# 100 Ω SHIELDED TWISTED PAIR SYSTEM

Mates with:  
CJT, C28S

## SPECIFICATIONS

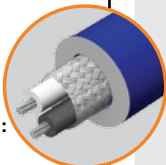
For complete specifications see [www.samtec.com?C28S](http://www.samtec.com?C28S)

## RF CONNECTOR

**Outer Contact Material:** Phosphor Bronze (Plug), Brass (Jack)  
**Center Contact Material:** Phosphor Bronze (Terminals), BeCu (Sockets)  
**Insulator Material:** PTFE  
**Operating Temperature:** -40 °C to +85 °C  
**Voltage Rating:** 200 VAC  
**Frequency Range:** 0 - 4 GHz  
**Impedance:** 100 Ω  
**RoHS Compliant:** Yes

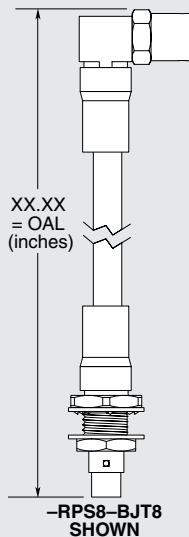
## CABLE

**Cable:** 28 AWG shielded twisted pair  
**Signal Routing:** 100 Ω Differential Jacket Material: PVC  
**Insulator Material:** PTFE  
**RoHS Compliant:** Yes



TYPE	OVERALL LENGTH	END 1 CONNECTOR	END 2 CONNECTOR
<b>C28S</b> = 28 AWG shielded twisted pair	- "XX.XX" = Overall Length in Inches (101.6 mm) 04.00" minimum	Specify END OPTIONS from chart	

END OPTIONS	
-SPS8 = Straight Plug with Sockets (30 μ" (0.76 μm) Gold on Center and Outer Contact, Gold Flash on Shell)	
-RPS8 = Right-angle Plug with Sockets (30 μ" (0.76 μm) Gold on Center and Outer Contact, Gold Flash on Shell)	
-BJT8 = Bulkhead Jack with Terminals (30 μ" (0.76 μm) Gold on Center and Outer Contact, Gold Flash on Shell)	
-SING = Single Ended (End 2 callout)	
-XXXXXX = Stripped & Tinned (End 2 callout) (See chart for callout)	



## ALSO AVAILABLE (MOQ Required)

- Additional stripping and tinning options Contact Samtec.

## STRIPPED & TINNED (Dimensions in inches)

CALLOUT	A	B	C
-303030	.30	.30	.30
-303040	.30	.30	.40
-403030	.40	.30	.30
-403040	.40	.30	.40

Both center conductors and braid shield are stripped, only the center conductors are tinned.

Note: Cable lengths longer than 36.00" (0.92 meter) are not supported with S.I. test data.

Mates with:  
C28S

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?CJT-TH](http://www.samtec.com?CJT-TH) or [www.samtec.com?CJT-BH](http://www.samtec.com?CJT-BH)

**Shell Material:** Brass  
**Insulator Material:** PTFE  
**Contact Material:** Phosphor Bronze  
**Operating Temperature:** -20 °C to +105 °C  
**Frequency Range:** 0 - 4 GHz  
**Working Voltage:** 200 VAC  
**Impedance:** 100 Ω  
**RoHS Compliant:** Yes  
**Lead-Free Solderable:** Yes

CJT	GENDER	TYPE	PLATING	ORIENTATION	TERMINATION
-T = Jack	-P = PCB Mount	-ST-TH1	-HH = 30 μ" (0.76 μm) Gold on pins and outer contact	-ST = Straight -RA = Right-angle	-TH1 = Standard Through-hole -BH1* = Standard Bulkhead Through-hole (-RA only)

\* Lock washer, nut and gasket supplied unassembled with Bulkhead option.

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.