

(2.54 mm) .100"

HHSC SERIES

# JTAG HIGH SPEED CABLE ASSEMBLIES

## SPECIFICATIONS

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

- Cable:** 38 AWG coax micro ribbon
- Signal Routing:** 50 Ω Single-Ended
- Overall Length:** (152 mm) 6" to (1 m) 40" standard
- Cable Flexing Life:** >40,000 cycles
- Cable Bending Radius:** <2,5 mm
- Plating:** Au over 50 μ" (1.27 μm) Ni
- Current Rating:** 200 millamp per pin (14 adjacent pins powered)
- Propagation Delay:** 4.79 nsec/meter
- Operating Temp Range:** -25 °C to +105 °C

## RECOGNITIONS

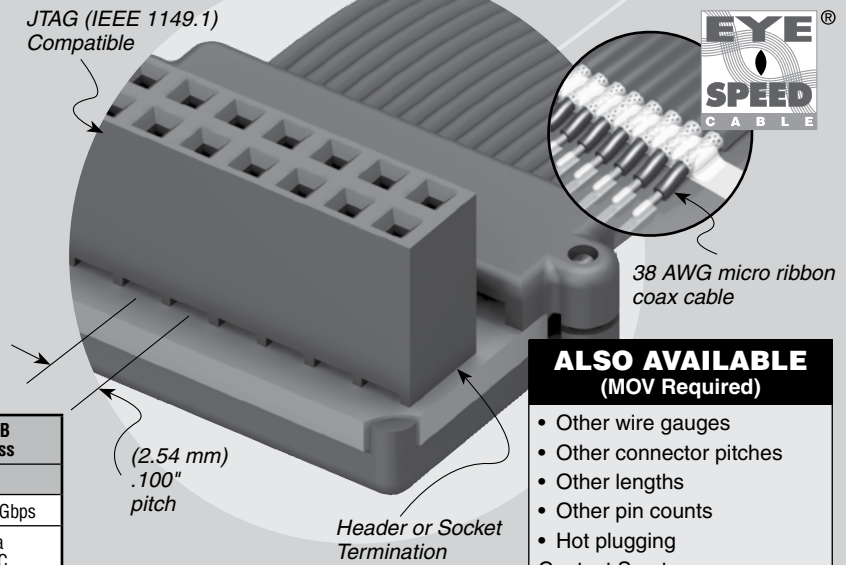
For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)



**-TU, -TD & -TE Mates with:**  
SSW, SSQ, SSM, ESW, ESQ, BCS

**-SU, -SD & -SE Mates with:**  
TSW, MTSW, TSM, TSS, ZSS

JTAG (IEEE 1149.1) Compatible

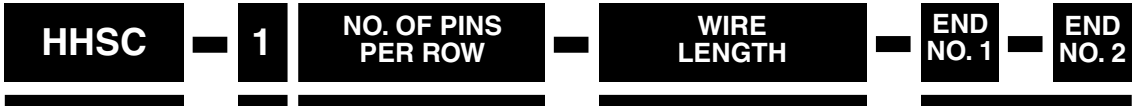


Cable Length	Rated @ 7dB Insertion Loss
	HHSC
10" (254 mm)	2.69 GHz / 5.38 Gbps

Performance and complete test data available at [www.samtec.com?HHSC](http://www.samtec.com?HHSC) or contact [sig@samtec.com](mailto:sig@samtec.com)

## ALSO AVAILABLE (MOV Required)

- Other wire gauges
  - Other connector pitches
  - Other lengths
  - Other pin counts
  - Hot plugging
- Contact Samtec.

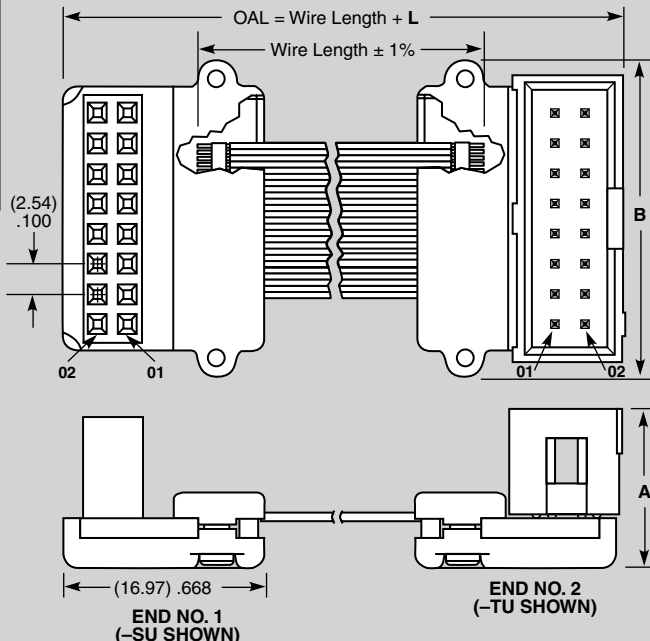


05, 07, 08, 10, 15, 20, 25 (Standard sizes)

- "XX.XX" = Wire Length in Inches (43.7 mm) 01.72" minimum

- TU = Terminal Up
- TD = Terminal Down
- TE = Terminal Edge Mount
- SU = Socket Up
- SD = Socket Down
- SE = Socket Edge Mount

END TO END	L
-TU/-TD to -TU/-TD	(22.00) .87
-TU/-TD to -SU/-SD	(21.74) .86
-SU/-SD to -SU/-SD	(21.49) .85
-TU/-TD to -TE	(26.87) 1.06
-SU/-SD to -TE	(26.62) 1.05
-TU/-TD to -SE	(26.49) 1.04
-SU/-SD to -SE	(26.24) 1.03
-TE to -TE	(31.75) 1.25
-TE to -SE	(31.37) 1.24
-SE to -SE	(30.99) 1.22



END	B	B
-TU/-TD	(13.46) .530	(26.76) 1.053
-SU/-SD	(12.70) .500	
-SE	(6.91) .272	(30.80) 1.213
-TE	(9.27) .365	

**Notes:**  
Cable lengths longer than 40.00" (1 meter) are not supported with S.I. test data  
This Series is non-standard, non-returnable.

## APPLICATIONS

