



TAOGLAS®



Datasheet

CAB.720

Description:

Hirose U.FL to SMA(F) Bulkhead Straight Connector with 200mm Ø1.32 cable

Features:

Cable: Ø1.32

Overall Length: 200mm

End A: Hirose U.FL

End B: SMA(F) Bulkhead Straight

RoHS & Reach Compliant

1. Introduction	3
2. Cable Specifications	4
3. Mechanical Drawing	6

Taoglas makes no warranties based on the accuracy or completeness of the contents of this document and reserves the right to make changes to specifications and product descriptions at any time without notice. Taoglas reserves all rights to this document and the information contained herein.

Reproduction, use or disclosure to third parties without express permission is strictly prohibited.



1. Introduction

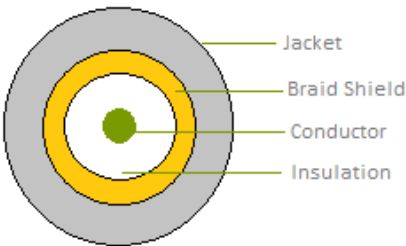


The Taoglas CAB.720 is an Ø1.32 cable with U.FL Straight and SMA(F) Bulkhead Straight. As one of a great range of Taoglas' standard cables the CAB.720 is ideal for use by worldwide RF professionals. Taoglas also offers custom cables through our Cable and Connector Division ([Cable Builder](#)). When a custom cable is required, this is the perfect tool for building your own cable variant.

Taoglas provides customized length and connector variants subject to MOQ. Contact your regional Taoglas customer support team for further details.

2. Cable Specifications – RG-174

2.1 Cross Section



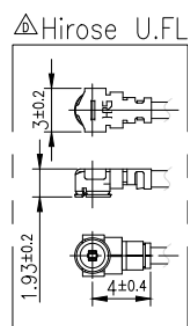
2.2 Structure and Dimensions

Conductor • Material – Silver Coated Copper • 32AWG(7/0.080mm) • Diameter - 0.24mm	Insulation • Material – FEP • Avg. Thickness- 0.22mm • Diameter – 0.68 ± 0.02mm • Colour - Clear	Braid Shield • Material–Tinned-Coated Copper • Structure – 16/4/0.050mm±0.003 • Coverage – 90% • Diameter – 0.92 ± 0.03mm	Jacket • Material – FEP • Avg. Thickness- 0.20mm • Diameter – 1.32 ± 0.05mm • Colour – Grey GY-08

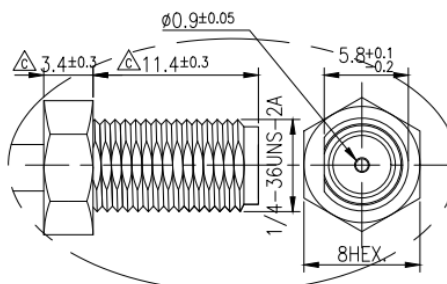
2.3 Cable Specifications

1	Item:			32 AWG
2	Rating Temp Voltage:			105°C 30V UL 1979
3	Insulation Resistance:			1000 MEGA OHM-KM Min.
4	Conductor Resistance:			545 OHM/KM/20°C Max.
5	Dielectric Strength:			AC 1.0 KV/minute
6	Spark test:			2.5 KV
7	Insulation	Unaged	Tensile Strength	2500 PSI Min.(1.76Kg/mm²)
			Elongation	200% min.
		Aged	Tensile Strength	Unaged Min 75%(168HRS*232°C)
			Elongation	Unaged Min 75%(168HRS*232°C)
8	Jacket	Unaged	Tensile Strength	2500 PSI Min.(1.76Kg/mm²)
			Elongation	200% min.
		Aged	Tensile Strength	Unaged Min 75%(168HRS*232°C)
			Elongation	Unaged Min 75%(168HRS*232°C)
9	Nom. Impedance			50 ± 3 Ohms
10	Nom. Capacitance			96 ± 3 pF/m
11	Nom. Vel. Of Prop.			69%
12	VSWR (0-6GHz)			Max 1.3
13	Flame Test			VW-1 OK
14	Attenuation (dB/1M)			2.0GHz 2.80
				2.4GHz 3.10
				3.0GHz 3.50
				4.0GHz 4.20
				5.0GHz 5.02
				6.0GHz 5.40

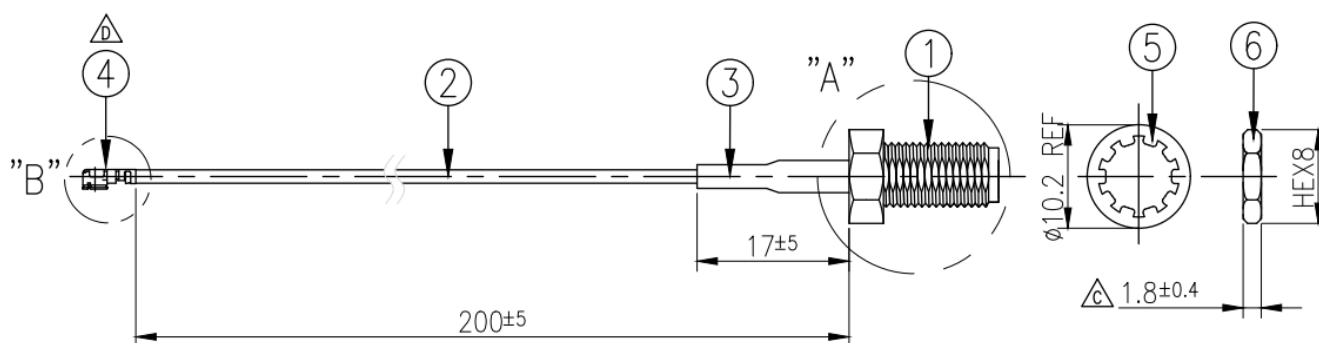
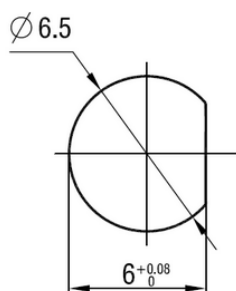
3. Mechanical Drawing (Units: mm)



Detail B
Scale:2:1



Detail A
Scale:2:1



	Name	P/N	Material	Finish	QTY
1	SMA(F)BKST	200411G020013A	Brass	Au Plated	1
2	1.32 Coaxial Cable	302115C000000A	FEP	Black	1
3	Heat Shrink Tube	001315C000000A	PE	Black	1
4	Hirose U.FL(U.FL-LP-066HF(02))	204621H000000A	Phosphor Bronze	Ag Plated	1
5	Washer	000415C000000A	Brass	Au Plated	1
6	Nut	000415C010000A	Brass	Au Plated	1

Changelog for the datasheet

SPE-24-8-149 – CAB.720

Revision: D	
Date:	2024-09-02
Notes:	Update the U.FL connector information including photo.
Author:	Paul Liu

Previous Revisions

Revision:	
Date:	
Changes:	
Changes Made by:	



www.taoglas.com