

# Flexible Coaxial Cable for 12G / HD-SDI

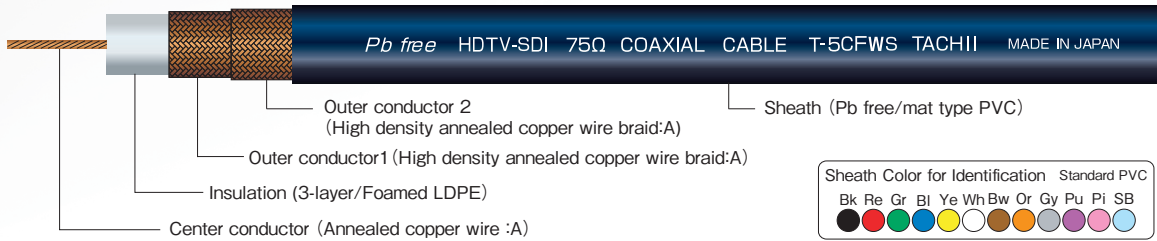
## Application

- For 12G-SDI(4K/8K).
- Best suitable for use at studios and relay sites.

## Features

- Coaxial cable for 12G-SDI (4K/8K) .
- Double braided shield and stranded conductor improves flexibility and bending durability.
- Friction resistant and slippery matte sheath.
- We can produce cable harness with BNC connectors. Ask our sales staff for details.

## Configuration



## Construction/Properties

Model	Center conductor		Insulation	Outer conductor 1 (Braid)		Outer conductor 2 (Braid)		Finished cable		Electrical specification				
	Structure Wires/mm	OD mm		Structure Spindles/Wires/mm	Density %	Structure Spindles/Wires/mm	Density %	OD mm	Weight kg/100 m	Conductor resistance Ω / k m	Capacitance p F / m		Characteristic impedance Ω	
			1kHz								10MHz	1MHz ~ 3GHz		
TCX-3CFWS	7/0.23A	3.1		24/6/0.1A	94	24/7/0.1A	94	5.8	5.0	66.3max.	56	75 ± 3	20.9min.	
TCX-5CFWS	7/0.36A+0.127A × 6	4.95		24/9/0.1A	95	24/10/0.1A	95	7.7	8.5	23.9max.	54	75 ± 3	20.9min.	

## Nominal Attenuation

Model	Nominal attenuation value (dB/100 m) ※ 20°C																			
	10 MHz	30 MHz	72 MHz	88 MHz	135 MHz	180 MHz	220 MHz	270 MHz	440 MHz	750 MHz	1300 MHz	1500 MHz	2000 MHz	2400 MHz	3000 MHz	3125 MHz	4000 MHz	5000 MHz	6000 MHz	6250 MHz
TCX-3CFWS	4.0	6.4	10.1	11.2	13.9	16.2	17.9	19.9	25.7	33.9	45.2	48.9	57.2	63.3	71.7	74.1	84.5	97.8	109	112
TCX-5CFWS	2.6	3.9	6.1	6.8	8.5	9.8	10.8	12.0	15.5	20.6	28.0	30.1	35.5	39.4	45.0	46.8	55.0	64.0	74.6	77.2

※ Standard value is our measurement representative value.

**12G-SDI** Showing the frequency of transmission distance for each 12G-SDI signal in this color.