

# Coaxial Cable for 12G / HD-SDI

## Application

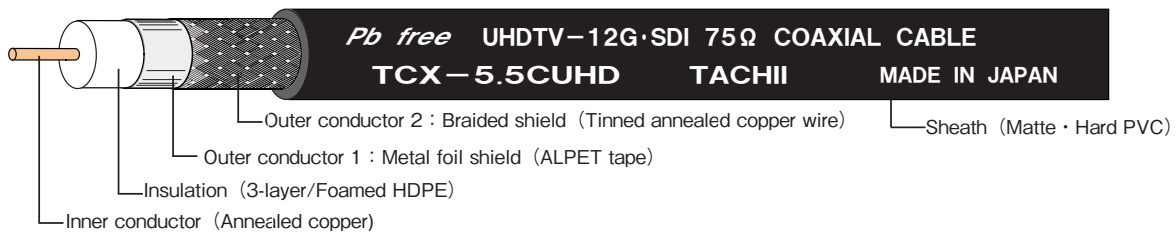
- For 12G-SDI(4K/8K).
- Best suitable for long-distance transmission at fixed installation.

## Features

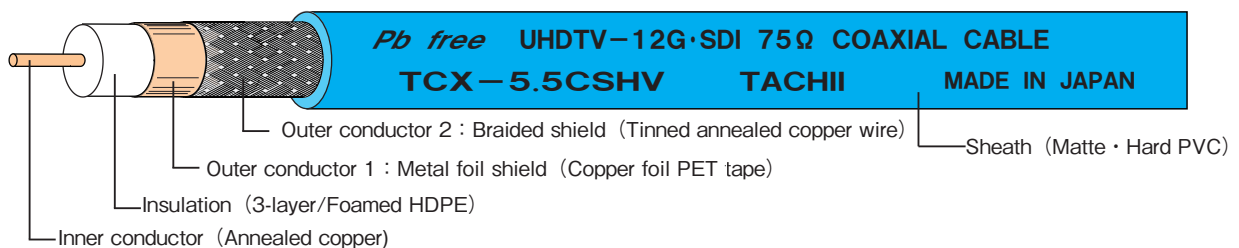
- Longer transmission distance than TCX-HD and TCX-FB series.
- We can produce cable harness with BNC connectors. Ask our sales staff for details.
- ECO type is also available.

## Configuration

### 【TCX-5.5CUHD】



### 【TCX-5.5CSHV】



## Construction/Properties

Model	Center conductor	Insulation	Outer conductor 1 (Braid)		Outer conductor 2 (Braid)	Sheath	Inner conductor resistance(20°C) Ω / k m	Insulation resistance M Ω · k m	Capacitance p F / m		Characteristic impedance Ω	Weight k g / 100 m	
	Structure Wires/mm		OD mm	Metal foil shield					Braided shield	1kHz			10MHz
				Construction					Structure Spindles/ Wires/mm				
TCX-5.5CUHD	1/1.4	5.6	ALPET tape	24/8/0.12	92	7.7	13.4max.	1000min.	56	75 ± 3	69		
TCX-5.5CSHV	1/1.4	5.6	Copper foil PET tape	24/8/0.12	92	7.7	13.4max.	1000min.	56	75 ± 3	71		

## 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	4000 MHz	5000 MHz	6000 MHz	10000 MHz	12000 MHz
TCX-5.5CUHD	1.8	2.9	4.2	4.5	5.5	6.3	7.0	7.7	10.0	13.1	17.8	19.2	22.1	24.3	27.3	31.9	35.9	39.6	52.4	58.3
TCX-5.5CSHV	1.6	2.6	3.8	4.2	5.2	6.0	6.6	7.4	9.5	12.5	16.8	18.3	21.4	23.5	26.1	30.4	34.6	37.8	50.0	55.6

※ Standard value is our measurement representative value.

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