

Flexible Coaxial Cable for 3G/HD-SDI

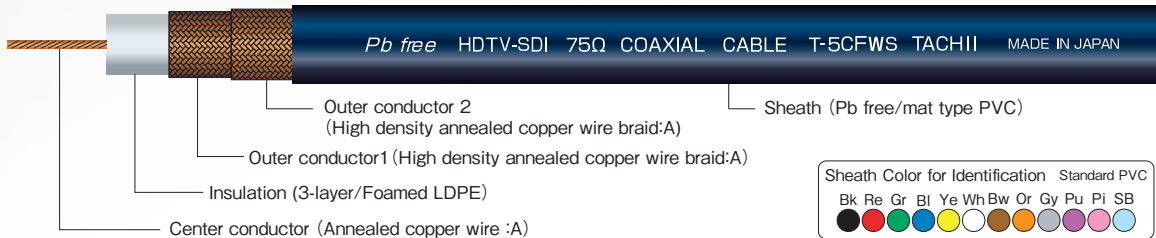
Application

- For 3G-SDI/HD-SDI.
- Best suitable for use at studios and relay sites.

Features

- 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	Return loss d B	
										1kHz	10MHz	1MHz ~ 3GHz		
TCX-2.8CFWS	7/0.20A	2.7	24/6/0.08A	90	24/7/0.08A	91	4.4	3.0	85.9max.	56	75 ± 3	20.9min.		
TCX-3CFWS	7/0.23A	3.1	24/6/0.1A	94	24/7/0.1A	94	5.8	5.0	66.3max.					
TCX-4CFWS	7/0.29A	3.95	24/7/0.1A	93	24/7/0.12A	94	6.6	6.2	41.1max.					
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				
TCX-5CFW	1/1.10A	4.95	24/7/0.12A	93	24/9/0.12A	96	7.7	8.5	18.5max.					

Nominal Attenuation

Model	Nominal attenuation value (dB / 100 m)																
	10 MHz	30 MHz	72 MHz	88 MHz	90 MHz	135 MHz	180 MHz	220 MHz	270 MHz	440 MHz	742.5 MHz	770 MHz	1300 MHz	1485 MHz	2000 MHz	2400 MHz	3000 MHz
TCX-2.8CFWS	4.4	7.0	10.9	12.1	12.2	15.0	17.4	19.3	19.3	21.5	36.5	37.3	49.2	52.3	62.1	69.0	77.5
TCX-3CFWS	4.0	6.4	10.1	11.2	11.3	13.9	16.2	17.9	19.9	25.7	33.8	34.4	45.4	48.8	57.2	63.3	71.7
TCX-4CFWS	3.3	5.1	7.9	8.8	8.9	10.9	12.7	14.1	15.7	20.1	26.7	27.2	36.1	38.7	45.6	50.5	57.3
TCX-5CFWS	2.6	3.9	6.1	6.8	6.9	8.5	9.8	10.8	12.0	15.5	20.6	21.0	29.7	30.0	35.5	39.4	45.0
TCX-5CFW	2.4	3.6	5.6	6.2	6.3	7.8	9.0	10.0	11.2	14.5	19.2	19.6	26.1	28.2	33.2	36.7	41.9

SD-SDI Showing the frequency of transmission distance for each SDI signal in each color.
HD-SDI
3G-SDI

* Standard value is our measurement representative value.