

# Coaxial Cable Multi type

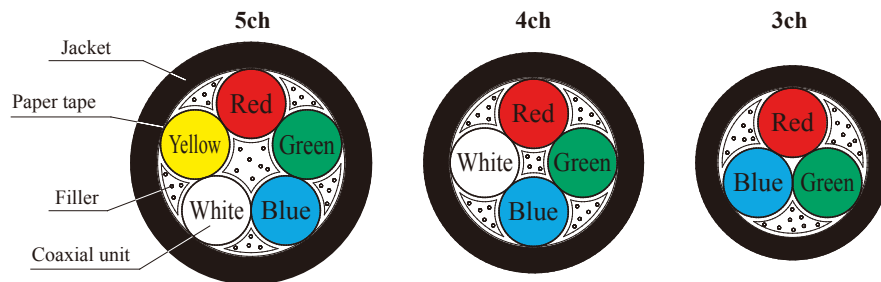
## Applications

For transmission of high quality digital signal by HDTV system in multiple lines and various types of high frequency signal like RGB video line, HV synchronous line, etc.

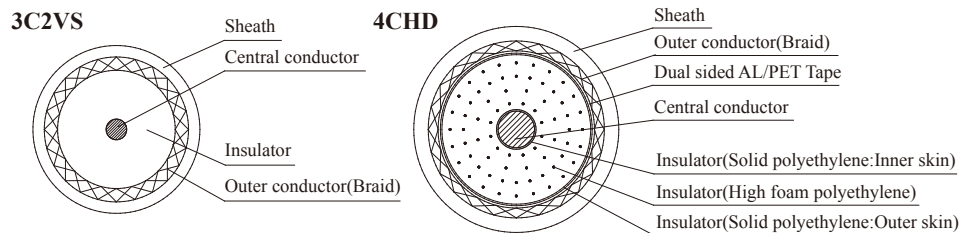
## Features

- The basic structure is same with single type coaxial cable (except the braid structure for 3C2VS only), and therefore the equivalent electrical properties have been assured.
- TCX5-5CFBL is designed for restorability from flection stress by employing dual sided AL/PET Tape with adhesive type. The new type,TCX5-4CHD has become possible to perform the restorability like the existing series by employing AL/PET Tape with non-adhesive type.
- In the static capacitance property,20.9dB min.(1.2 max. in VSWR) in 1M~3GHz band, which can sufficiently satisfy the ARIB Specifications•SMPTE Specification as Return Loss, has been assured.(TCX5-4CHD•measured on cable length 50m)
- TCX5-3C2VS, TCX5-1.5C2VS, TCX4-1.5C2VS, TCX3-1.5C2VS can be subject to UL corresponded (ULStyle 20002, 20276 ).
- As the sheath material, the sliding easy type PVC has been employed to make wiring works into pipes easy. Pb free PVC has been also used for environment-conscious settling. EM type with more environment-conscious products with non-halogen flame retardant polyethylene sheath are also available.

## Finished Product Configuration



## Unit Configuration



## Nominal Attenuation

Unit	Nominal Attenuation (dB/100m)																		
	10 MHz	30 MHz	72 MHz	88 MHz	90 MHz	135 MHz	180 MHz	220 MHz	270 MHz	440 MHz	742.5 MHz	750 MHz	770 MHz	1000 MHz	1300 MHz	1485 MHz	2000 MHz	2400 MHz	3000 MHz
1.5C2VS	9.1	15.6	24.0	26.6	26.9	33.1	38.2	42.3	46.9	60.4	-	79.8	-	92.7	-	-	-	-	-
3C2VS	4.5	7.8	12.2	13.5	13.6	16.8	19.5	21.7	24.2	31.4	-	42.1	42.6	49.6	-	-	-	-	-
3CFB	3.6	5.8	8.5	9.2	9.3	11.3	13.0	14.4	16.0	20.7	27.3	-	27.8	-	36.7	39.4	46.2	51.0	57.6
4CHD	2.7	3.9	5.5	6.0	6.1	7.3	8.3	9.2	10.2	13.2	17.3	-	17.7	-	23.1	24.8	29.0	32.0	35.9
5CFBL	2.4	3.7	5.4	5.9	5.9	7.2	8.2	9.1	10.2	13.2	17.5	-	17.9	-	23.8	25.6	30.2	33.4	37.8

\* Standard value means the central value measured by TACHII

## Construction•Properties

Model	CH No.	Central conductor	Insulator	Shield(Braid)		Unit	Finished Product			Electrical Properties				Stocks
		Structure wire/mm		O.D. mm	Structure strands/wires/mm		Density %	O.D. mm	O.D. mm	Approx. Weight kg/100m	Conductor Resistance Ω / km	Capacitance pF/m 1kHz	Characteristic Impedance Ω 10MHz	
TCX3-1.5C2VS	3	7/0.09A	1.6	16/5/0.1A	95 min.	2.6	7.4	6.6	452 max.	67	75	15.6 min.	※2	
TCX4-1.5C2VS	4						8.4	8.5						
TCX5-1.5C2VS	5						9.2	10.3						
TCX3-3C2VS	3	7/0.18A	3.1	24/5/0.14A	97 min.	4.4	11.5	15.5	113.6 max.	67	75	15.6 min.	※2	
TCX4-3C2VS	4						13.0	20.5						
TCX5-3C2VS	5						14.2	24.3						
<b>NEW</b> TCX5-3CFB	5	1/0.65A	3.1	16/6/0.14TA	93 min.	4.4	14.2	22.9	55.3 max.	56	75	20.9 min.	※2	
<b>NEW</b> TCX5-4CHD	5	1/1.05A	4.3	24/7/0.12TA	93 min.	5.7	18.2	34.2	21.1 max.	53				
TCX5-5CFBL	5	1/1.05A	4.9	24/7/0.14TA	93 min.	6.5	21.1	46.5	21.1 max.	56				

※11M~1GHz for 1.5C2VS and 1M~3GHz for 3C2VS, 1M~2GHz for 4CHD, 3CFB and 5CFBL  
 ※2 ①100m spool ①D 100m drum ②D 200m drum Other cable length available on request.