Coaxial Cable Solid Insulator type

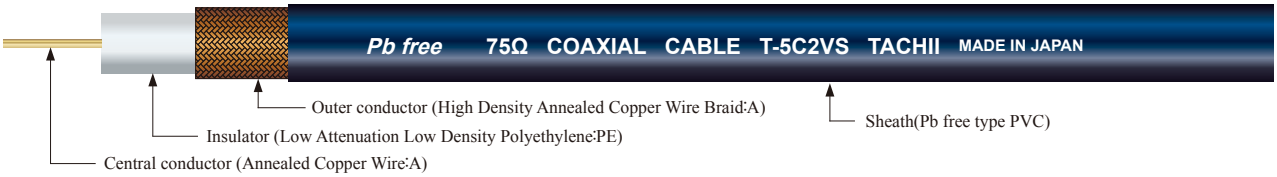
Applications

Best choice for transmission of general video signal and various high frequency signal.TACHII have always recommended TCX-3C2VS･5C2Vs which have employed cable assembled for central conductor in mobile use, and TCX-3C2V･TCX-5C2V which have employed single cable conductor in wire anchoring use.

Features

- As the insulator material, TACHII have employed Low Density type Low Loss Polyethylen which is superior in attenuation property and less age softening.
- 2VS Series and 3D2W, 8D2W are best choice for mobile use, because the assembled type for central conductor has been employed and therefore the better flexibility compared with single wire conductor.
- The influence to the vido signal from outside noise can be unlimitedly curbed by our braid shield with very high density. Especially, TACHII's dual braid shield type can further control the influence against the outside noise.
- In order to easily distinguish the signal respectively, TACHII have prepared 9 types sheath color for 2VS Series, 7 types sheath color for 2V Series, so that we can give customers full satisfaction to take care of all requirements.
- TACHII have employed Pb free type PVC as sheath material with environment friendly. EM type with more environment-conscious products are also available.

Configuration



Products

Model	Stock available									
	Black	Gray	Red	Green	Blue	Yellow	White	Brown	Orange	EM Eco
TCX-3C2VS	①B	①B	①B	①B	①B	①B	①B	①B	①B	Yes
TCX-5C2VS	①B	①B	①B	①B	①B	①B	①B	①B	①B	Yes
TCX-3C2V	②	②	②	②	②	②	②	–	–	Yes
TCX-5C2V	②	②	②	②	②	②	②	–	–	Yes
TCX-3D2W	ⓒ	①/②	–	–	–	–	–	–	–	Yes
TCX-5D2W	ⓒ	①/②	–	–	–	–	–	–	–	Yes
TCX-8D2W	ⓒ	ⓒ	–	–	–	–	–	–	–	Yes

①B 100m bobbin
① 100m spool
② 200m spool
ⓒ Custom-made

Other length available on request

Nominal Attenuation

Model	Nominal attenuation (dB/100m)												
	10 MHz	30 MHz	72 MHz	88 MHz	90 MHz	135 MHz	180 MHz	220 MHz	270 MHz	440 MHz	750 MHz	770 MHz	1000 MHz
TCX-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
TCX-5C2VS	3.0	5.1	8.1	9.0	9.1	11.2	13.0	14.5	16.2	21.0	28.1	28.5	33.0
TCX-3C2V	4.2	7.1	11.2	12.4	12.6	15.5	18.0	19.9	22.2	28.8	38.2	38.9	44.7
TCX-5C2V	2.7	4.4	7.0	7.7	7.8	9.7	11.2	12.5	13.9	18.0	24.1	24.5	28.3
TCX-3D2W	4.3	7.4	11.6	12.9	13.1	16.2	18.8	20.9	23.4	30.4	40.6	41.1	47.5
TCX-5D2W	2.5	4.3	6.9	7.6	7.7	9.6	11.2	12.4	14.0	18.2	24.4	24.7	28.7
TCX-8D2W	2.0	3.3	5.3	5.8	5.9	7.4	8.6	9.6	10.8	14.1	15.2	19.1	22.6

Nominal value means the central value measured by TACHII.

Construction ･Properties

Model	Central conductor	Insulator	Outer conductor(Braid)		Finished Product		Electrical Properties			
	Structure wire/mm	O.D. mm	Structure strands/wires/mm	Density %	O.D. mm	Approx. Weight kg/100m	Conductor Resistance Ω/km	Capacitance pF / m 1kHz	Characteristic Impedance Ω 10MHz	Return Loss dB 1M～1000MHz
TCX-3C2VS	7/0.18A	3.1	16/7/0.12A	93 min.	5.4	4.2	113.6 max.	67	75	15.6 min. (measured at 50 m length)
TCX-5C2VS	7/0.26A	4.8	24/7/0.12A	93 min.	7.4	7.2	52.2 max.			
TCX-3C2V	1/0.50A	3.1	24/5/0.14A	97 min.	5.4	4.5	91.4 max.			
TCX-5C2V	1/0.80A	4.9	24/7/0.14A	94 min.	7.4	7.6	35.9 max.			
TCX-3D2W	7/0.32A	3.0	24/5/0.14A	98 min.	6.4	7.5	33.3 max.	100	50	20.9 min. (measured at 50 m length)
			24/5/0.14A	94 min.						
TCX-5D2W	1/1.40A	4.8	24/7/0.14A	95 min.	8.0	11.5	11.7 max.			
			24/7/0.14A	95 min.						
TCX-8D2W	7/0.80A	7.8	24/8/0.18A	97 min.	12.4	26.4	5.13 max.			
			24/8/0.18A	97 min.						