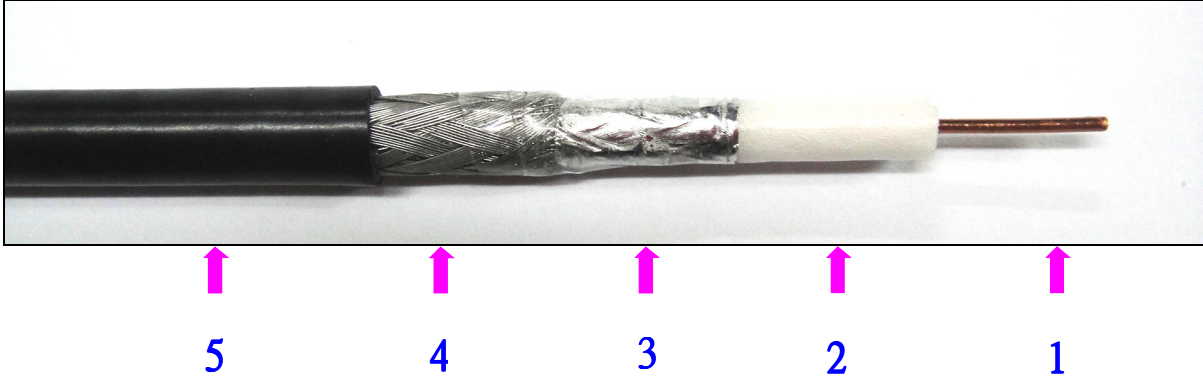


## CV Type Coaxial Cable

**Application :** Applied to RF, instrument and CATV systems.

**Construction :**



- ❶ Inner conductor-Bare annealed copper , tinned copper or silver-coated copper wire or copper clad steel wire.
- ❷ Dielectric-Solid polyethylene or cellular polyethylene.
- ❸ Shielding-Sealed laminated aluminum foil.
- ❹ Outer conductor-Braid with bare annealed copper wire, silver-coated copper wire or tinned annealed copper wire.
- ❺ Sheath-Polyvinyl chloride, non-contaminating PVC or polyethylene.

**Property :**

- ◆ Characteristic impedance including 50 ohm, 75 ohm or 93 ohm.
- ◆ Outer conductor can shield RF noise.
- ◆ Transmission frequency more than 1GHz.
- ◆ Temperature grade over 90°C.
- ◆ Standard is comply with JIS-C-3501.

Specification :

Type Number	Inner conductor		Dielectric Core Diameter	Outer conductor				PVC Sheath			Approx. Weight kg/km
	Construction	Diameter		Inner Braid		Outer Braid		Nominal Thickness	Overall Diameter	O.D Tolerance	
				Details	Diameter	Details	Diameter				
				No./mm	mm	C/N/mm	mm				
1.5C-2V	*1/0.26	0.26	1.6	16/5/0.10	2.1	-	-	0.4	2.9	0.4	13
2.5C-2V	1/0.4	0.4	2.4	16/6/0.12	3.0	-	-	0.5	4.0	0.5	25
3C-2V	1/0.5	0.5	3.1	16/6/0.14 or 24/5/0.14	3.8	-	-	0.8	5.4	0.5	42
3C-2VCS	*1/0.5	0.5	3.1	16/6/0.14 or 24/5/0.14	3.8	-	-	0.8	5.4	0.5	42
3C-2VS	7/0.18	0.54	3.1	16/6/0.14 or 24/5/0.14	3.8	-	-	0.8	5.4	0.5	42
5C-2V	1/0.8	0.8	4.9	16/8/0.14 or 24/7/0.14	5.6	-	-	0.9	7.4	0.5	74
5C-2W	1/0.8	0.8	4.9	24/7/0.14 or 16/8/0.14	5.6	16/8/0.14 or 24/7/0.14	6.3	1.0	8.3	0.5	110
7C-2V	7/0.4	1.2	7.3	24/8/0.18	8.2	-	-	1.1	10.4	0.5	140
10C-2V	7/0.5	1.5	9.4	24/10/0.20	10.4	-	-	1.3	13.0	0.6	220
10C-2W	7/0.5	1.5	9.2	24/10/0.20	10.2	24/10/0.20	11.2	1.5	14.2	0.6	320
20C-2V	1/2.9	2.9	19.0	32/10/0.26	20.3	-	-	1.9	24.1	0.6	730
1.5D-2V	7/0.18	0.54	1.6	16/5/0.10	2.1	-	-	0.4	2.9	0.4	14
2.5D-2V	1/0.8	0.8	2.7	16/7/0.12	3.3	-	-	0.5	4.3	0.5	35
3D-2V	7/0.32	0.96	3.0	16/6/0.14 or 24/5/0.14	3.7	-	-	0.8	5.3	0.5	44
3D-2W	7/0.32	0.96	3.0	16/6/0.14 or 24/5/0.14	3.7	16/6/0.14 or 24/5/0.14	4.4	1.0	6.4	0.5	75
5D-2V	1/1.4	1.4	4.8	16/8/0.14 or 24/7/0.14	5.5	-	-	0.9	7.3	0.5	80
5D-2W	1/1.4	1.4	4.8	16/8/0.14 or 24/7/0.14	5.5	16/8/0.14 or 24/7/0.14	6.2	1.0	8.2	0.5	110
8D-2V	7/0.8	2.4	7.8	24/8/0.18	8.7	-	-	1.2	11.1	0.5	180
8D-2W	7/0.8	2.4	7.9	24/8/0.18	8.8	24/8/0.18	9.7	1.4	12.5	0.6	260
10D-2V	1/2.9	2.9	9.7	24/10/0.20	10.7	-	-	1.2	13.1	0.6	260
20D-2V	1/0.6	6.0	20.8	32/10/0.26	22.1	-	-	2.0	26.1	0.6	950

\*Note : Copper clad steel wire

◆ Electrical properties :

Type Number	Characteristic Impedance	Attenuation (10MHz , Nom)	Capacitance (1KHz , Nom)	Velocity Propagation Nom	Insulation Resistance (Min)	Conductor Resistance (20°C , Max)	Dielectric Strength (AC)
	$\Omega$	dB/km	nF/km	%	M $\Omega$ -Kms	$\Omega$ -km	kV
1.5C-2V	75±3	96	69±4	66	1,000	968	1
2.5C-2V	75±3	52	69±4	66	1,000	145	1
3C-2V	75±3	42	67±3	66	1,000	91.4	1
3C-2VCS	75±3	42	67±3	66	1,000	256	1
3C-2VS	75±3	43	67±3	66	1,000	100	1
5C-2V	75±3	27	67±3	66	1,000	35.9	1
5C-2W	75±3	27	67±3	66	1,000	35.9	1
7C-2V	75±3	22	67±3	66	1,000	20.7	1
10C-2V	75±3	18	67±3	66	1,000	13.1	1
10C-2W	75±3	18	67±3	66	1,000	13.1	1
20C-2V	75±3	74	67±3	66	1,000	2.67	5
1.5D-2V	50±2	85	104±5	66	1,000	110	0.3
2.5D-2V	50±2	45	100±4	66	1,000	35.9	1
3D-2V	50±2	46	104±4	66	1,000	33.3	1
3D-2W	50±2	46	100±4	66	1,000	33.3	1
5D-2V	50±2	27	100±4	66	1,000	11.7	1
5D-2W	50±2	27	100±4	66	1,000	11.7	1
8D-2V	50±2	20	100±4	66	1,000	5.13	1
8D-2W	50±2	20	100±4	66	1,000	5.13	1
10D-2V	50±2	14	100±4	66	1,000	2.67	1
20D-2V	50±2	6.6	100±4	66	1,000	0.662	5