

# 2V Type

**RoHS Compliant Cable**

## Feature

- PE insulation maintains stable VSWR and low attenuation loss up to 2 GHz
- High power transmission and stable impedance
- High flexibility and easy assembly
- Against UV, fire retardant lead-free PVC (2V type), long lifespan PE (2E type), all comply with RoHS standard
- Comply with JIS C 3501 Standard

## Application

- High power RF signal transmission for indoor, outdoor and car use
- Radio transceiver, multi channel access
- RF wiring for device and PCB

## Construction



1. Inner Conductor: AC (Annealed Copper Wire)
  2. Insulation: Solid PE (Solid Polyethylene)
  3. Outer Conductor: AC (Annealed Copper Wire Braid)
  4. Sheath: Lead-free PVC, -20°C ~ +70°C for 2V type  
PE, -40°C ~ +70°C for 2E type
- Remark: EM type (LSHF sheath) available

### Single Braided Type

Item Model	Inner Conductor		Insulation		Outer Conductor		Sheath			Impedance Ω	Approximate Weight kg/km	
	Material	Strand / Diameter (mm)	Material	Diameter (mm)	Braid		Material	Standard Color	Diameter (mm)			
					Material	Diameter (mm)						
1.5D - 2V	AC	7/0.18	PE	1.6	AC	2.2	PVC	Grey / Black	3.0	50±2	18	
2.5D - 2VS		7/0.28		2.7		3.3		Grey				4.3
3D - 2V	AC	7/0.32	PE	3.0	AC	3.7	PVC	Grey / Black	5.3	50±2	44	
3D - 2E		7/0.32		3.0		3.7		Black				5.3
5D - 2V	AC	1/1.4	PE	4.8	AC	5.5	PVC	Grey / Black	7.3	50±2	81	
5D - 2VS		7/0.5		4.8		5.5		Grey / Black				7.3
5D - 2E		1/1.4		4.8		5.5		Black				7.3
8D - 2V	AC	1/2.3	PE	7.8	AC	8.7	PVC	Grey	11.1	50±2	181	
8D - 2VS		7/0.8		7.8		8.7		Grey				11.1
8D - 2E		1/2.3		7.8		8.7		Black				11.1
10D - 2V	AC	1/2.9	PE	9.7	AC	10.7	PVC	Grey	13.1	50±2	260	
10D - 2VS		7/1.0		9.7		10.7		Grey				13.1
10D - 2E		1/2.9		9.7		10.7		Black				13.1

### Multi-Braided Type

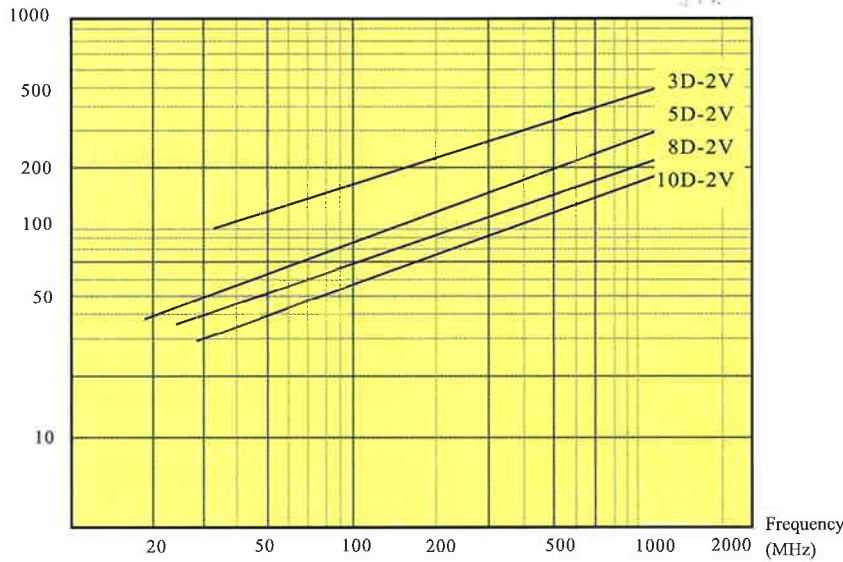
2W: Double Braided Type



Item Model	Inner Conductor		Insulation		Outer Conductor		Sheath			Impedance Ω	Approximate Weight kg/km	
	Material	Strand / Diameter (mm)	Material	Diameter (mm)	Braid		Material	Standard Color	Diameter (mm)			
					Material	Diameter (mm)						
3D - 2W	AC	7/0.32	PE	3.0	AC	4.4	PVC	Grey	6.4	50±2	75	
5D - 2W		1/1.4		4.8		6.2		Grey				8.0
8D - 2W		1/2.3		7.8		9.6		Grey				12.0
10D - 2W		1/2.9		9.7		11.7		Grey				14.1

## ■ Standard Attenuation Loss V.S. Frequency Characteristics

Attenuation Loss  
(dB/km)



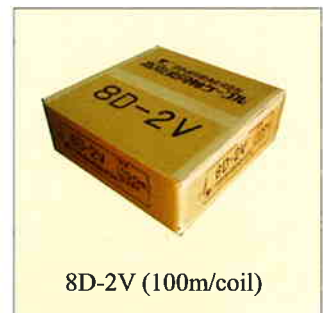
## ■ Package



3D-2V (100m/coil)



5D-2V (100m/coil)



8D-2V (100m/coil)



10D-2V (100m/coil)

Item Model	Conductor Resistance	Withstand Voltage	Electrostatic Capacity	Insulation Resistance	Standard Attenuation Loss dB/km	
	[20°C] Ω/km (Max)	AC. V/ 1 minute	nF/km	MΩ-km (Min)	400 MHz	900 MHz
1.5D - 2V	110.00	1000	104	1000	10MHz	85
2.5D - 2VS	50.20	1000	100	1000	10MHz	52
3D - 2V	33.30	1000	100	1000	309	471
3D - 2E	33.30	1000	100	1000	309	471
5D - 2V	11.70	1000	100	1000	183	281
5D - 2VS	13.10	1000	100	1000	201	320
5D - 2E	11.70	1000	100	1000	183	281
8D - 2V	4.23	1000	100	1000	121	195
8D - 2VS	5.13	1000	100	1000	131	210
8D - 2E	4.23	1000	100	1000	121	195
10D - 2V	2.67	1000	102	1000	101	178
10D - 2VS	3.33	1000	102	1000	108	187
10D - 2E	2.67	1000	102	1000	101	178
3D - 2W	33.30	1000	100	1000	309	471
5D - 2W	11.7	1000	100	1000	10MHz	27
8D - 2W	9.23	1000	100	1000	121	195
10D - 2W	2.67	1000	102	1000	10MHz	14

Remark: Max. attenuation loss is 115% of standard attenuation

## ■ Connector

- Variable high quality connectors available

ISO 9001 認証取得工場  
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