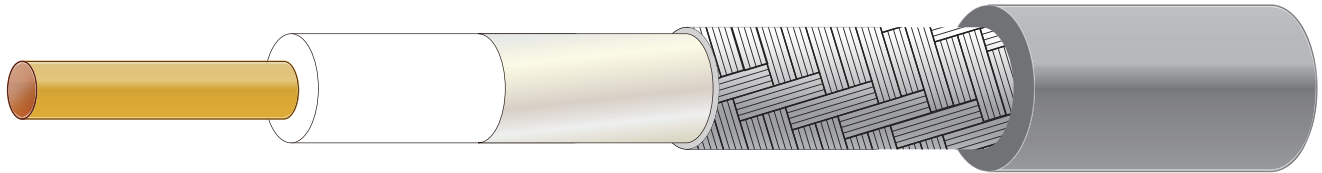
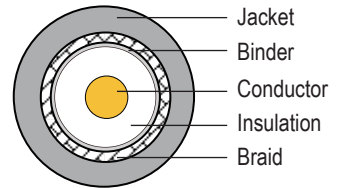


# CFD300 COAXIAL CABLE

P/N DC3001A5BT-E (PE) DC3001A5BT (PVC)

## Structure Figure



### Conductor

Material  
Solid Copper Wire

Diameter  
Approx. 1.78 mm

### Insulation

Material  
Foam polyethylene

Diameter  
Approx. 4.84 mm

### Binder

Material  
Aluminum/PE Tape

Diameter  
Approx. 4.95 mm

### Single Braid

Material  
Tinned copper wire

Coverage  
85%

Diameter  
Approx. 5.7 mm

### Jacket

Material  
PE / PVC

Color  
Black

Diameter  
Approx. 7.6 mm

## Cable Marking

For PE Jacket :



For Non lead PVC Jacket :





## Electrical Properties (At 20°C)

Velocity of propagation	Nom. 85%	
Conductor resistance	Nom. 6.96 Ω/km	
Inner conductor		
Voltage withstanding	2.0KV rms/1min	
Impedance	Nom. 50 Ω @200MHz	
Capacitance	Nom. 77.0 pF/m	
Insulation resistance	Min. 1,000MΩ-km	
VSWR	Max. 1.3 @30~2500MHz	
Attenuation		
Frequency	Attenuation	
MHz	dB/100M	dB/100ft
30	3.5	1.07
50	4.5	1.37
150	7.9	2.41
220	9.6	2.93
450	13.8	4.21
900	19.9	6.07
1500	26.0	7.93
1800	28.7	8.75
2000	30.3	9.24
2500	34.2	10.43
5800	54.3	16.56

Maximum value is not exceeded 115% of nominal value.

## Environmental Specification

Installation temperature range	-40°C~85°C
Storage temperature range	-70°C~85°C
Operating temperature range	-40°C~85°C

## Mechanical Specification

Minimum bend radius	22.2 mm
Cable Weight	0.071 kg/m for PE Jacket
	0.082 kg/m for Non lead PVC Jacket
Minimum tensile force	54.5 kg

## Packing

- Both ends of the cable shall be effectively sealed to prevent the entrance of moisture.
- The cable shall be supplied in plywood drum of 500m, then several drums shall be packed in crate.

## Pb and Cd content for Non lead PVC Jacket

Name of substance	Limit for ppm(mg/kg)	Method
Lead and its compounds (Pb)	<=100	US EPA 3050B
Cadmium and its compounds (Cd)	<=5	US EPA 3050B