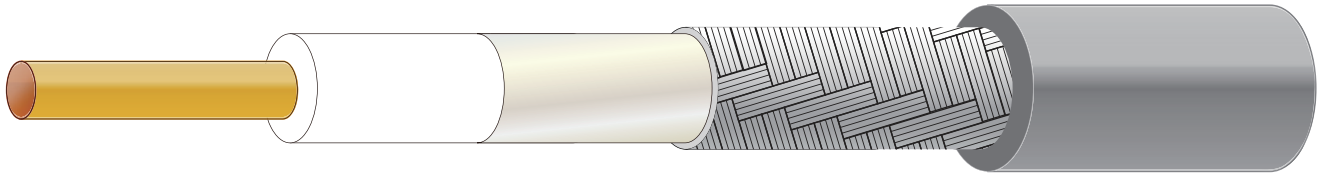
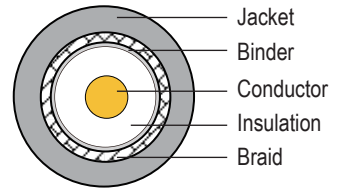


# CFD400-LW COAXIAL CABLE

Product No. DC4001A5BA-E (PE) DC4001A5BA (PVC)

## Structure Figure



### Conductor

Material  
Solid Copper Claded  
Aluminum Wire

Diameter  
Approx. 2.74 mm

### Insulation

Material  
Foam polyethylene

Diameter  
Approx. 7.24 mm

### Binder

Material  
Aluminum/PE Tape

Diameter  
Approx. 7.35 mm

### Single Braid

Material  
0.16mm Aluminum Alloy Wire  
Carriers 24  
Ends 7  
Picks/inch 10.6(Approx.)  
Coverage 92%(Approx.)

Diameter  
Approx. 8.1 mm

### Jacket

Material  
PE / PVC

Color  
Black

Diameter  
Approx. 10.3 mm

## Cable Marking

For PE Jacket :



For Non lead PVC Jacket :



## Electrical Properties (At 20°C)

Velocity of propagation	Nom. 85%
Conductor resistance	Nom. 4.56 Ω/km
Inner conductor	
Voltage withstanding	2.5KV rms/1min
Impedance	Nom. 50 Ω @200MHz
Capacitance	Nom. 78.0 pF/m
Insulation resistance	Min. 1,000MΩ-km
VSWR	Max. 1.3 @30~2500MHz
<b>Attenuation</b>	
Frequency	Attenuation
MHz	dB/100M      dB/100ft
30	2.4              0.73
50	3.0              0.92
150	5.0              1.53
220	6.1              1.86
450	8.9              2.71
900	12.8             3.90
1500	16.8             5.12
1800	18.6             5.67
2000	19.6             5.98
2500	22.2             6.77
5800	35.5             10.83

## Environmental Specification

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

## Mechanical Specification

Minimum bend radius	25.4 mm
Cable Weight	0.082 kg/m for PE Jacket 0.098 kg/m for Non lead PVC Jacket
Tensile strength	72.6 kg

## Pb and Cd content for Non lead PVC Jacket

Name of substance	Limit for ppm(mg/kg)	Method
Lead and its compounds (Pb)	<=50	US EPA 3050B
Cadmium and its compounds (Cd)	<=5	US EPA 3050B

## Packing

1. Coiled up 200m coil, then several coils shall be packed in crate.