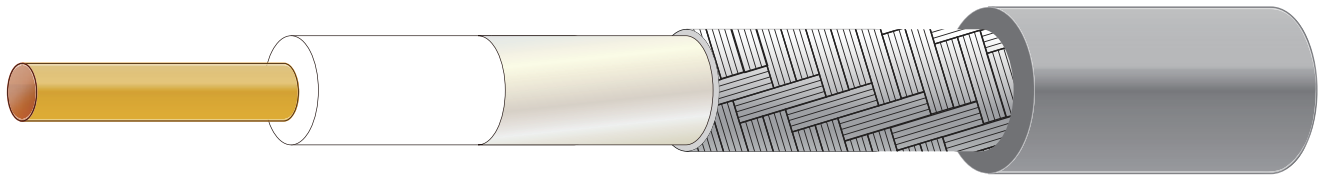
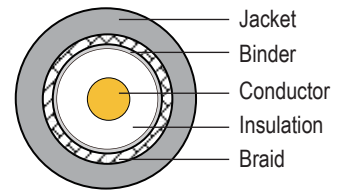


# CFD500-LW COAXIAL CABLE

Product No. DC5001A5BA-E (PE)

## Structure Figure



### Conductor

Material  
Solid Copper Claded  
Aluminum Wire

Diameter  
Approx. 3.61 mm

### Insulation

Material  
Foam polyethylene

Diameter  
Approx. 9.41 mm

### Binder

Material  
Aluminum/PE Tape

Diameter  
Approx. 9.58 mm

### Single Braid

Material  
0.16mm Aluminum Alloy Wire  
Carriers 24  
Ends 9  
Picks/inch 9.6 Approx.  
Coverage 95% Approx.

Diameter  
Approx. 10.2 mm

### Jacket

Material  
PE

Color  
Black

Diameter  
Approx. 12.6 mm

## Cable Marking

For PE Jacket :



## 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	31.8 mm
Cable Weight	0.13 kg/m
Tensile force	118.0 kg

## Packing

- Both ends of the cable shall be effectively sealed to prevent the entrance of moisture.
- The cable shall be supplied in 100M plywood drum or 210M wooden drum.

## Electrical Properties (At 20°C)

Velocity of propagation	Nom. 86%	
Conductor resistance Inner conductor	Nom. 2.69 $\Omega$ /km	
Voltage withstanding	3.0KV rms/1min	
Impedance	Nom. 50 $\Omega$ @200MHz	
Capacitance	Nom. 77.0 pF/m	
Insulation resistance	Min. 1,000M $\Omega$ -km	
VSWR	Max. 1.3 @30~2500MHz	
<b>Attenuation</b>		
	Frequency	Attenuation
	MHz	dB/100M      dB/100ft
	30	1.8              0.55
	50	2.3              0.70
	150	4.0              1.22
	220	4.9              1.49
	450	7.1              2.17
	900	10.3             3.14
	1500	13.6             4.15
	1800	15.0             4.58
	2000	15.9             4.85
	2500	18.0             5.49
	5800	29.1             8.88

Maximum value is not exceeded 115% of nominal value.