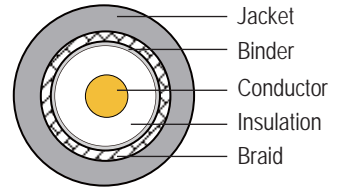
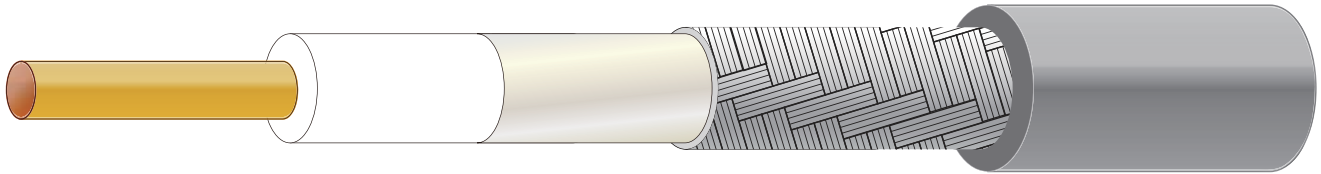


CFD400-LW COAXIAL CABLE

P/N DC4001A5BA-E (PE) DC4001A5BA (PVC)



Structure Figure



Conductor

Material
Solid Copper Clad
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	
Attenuation		
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.