

Commate CFD-400BDFR Ultra-Flex Low Loss Foam PE with Double braid shielding and Fire-retardant LSNH jacket. Ideal for moving lift application.

Physical Specifications

Inner Conductor	Material: Bare Copper Wire
	Diameter: 0.112 (ins) 2.85 (mm)
Dielectric	Material: Closed Cell PE Foam
	Diameter: 0.285 (ins) 7.24 (mm)
Outer Conductor	Material: Aluminium Tape
	Diameter: 0.291 (ins) 7.39 (mm)
Braid Shield L1	Material: Tinned Copper
	Diameter: 0.32 (ins) 8.13 (mm)
Braid Shield L2	Material: Tinned Copper
	Diameter: 0.346 (ins) 8.78 (mm)
Jacket	Material: Low Smoke Non-Halogen
	Diameter: 0.425 (ins) 10.8 (mm)
Weight	0.091lbs/ft 0.134Kg/m

Mechanical Specification

Minimum Bend Radius	1.0 (ins) 25.4 (mm)
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Electrical Specifications

Impedance	50 ohms
Capacitance	24.0pF/ft 78.4pF/m
Velocity of Propagation	85%
DC Resistance	
Inner Conductor	1.67 ohms/1000' 5.48 ohms/Km
Outer Conductor	1.65 ohms/1000' 5.41 ohms/Km

Attenuation

Freq (MHz)	dB/100ft	dB/100m
900	4.5	14.7
1800	7.34	24
2400	9.58	31.3
3000	11.9	38.9

Connectors Available

Type	Inner Contact Attachment	Outer Contact Attachment
N Male	Solder	Clamp
N Female	Solder	Clamp
BNC Male	Solder	Crimp
TNC Male	Solder	Clamp
RP TNC (M)	Solder	Crimp
RP TNC (F)	Solder	Crimp

Commate HDF-500 Low Loss Foam equivalent of cable type 7/16" and JIS-10D.

Physical Specifications

Inner Conductor	Material: Copper Clad Aluminium
	Diameter: 0.142(ins) 3.61 (mm)
Dielectric	Material: Closed Cell PE Foam
	Diameter: 0.370 (ins) 9.40 (mm)
Outer Conductor	Material: Aluminium Tape
	Diameter: 0.376 (ins) 9.55 (mm)
Overall Braid	Material: Tinned Copper
	Diameter: 0.405 (ins) 10.29 (mm)
Jacket	Material: Black PVC
	Diameter: 0.50 (ins) 12.70 (mm)
Weight	0.098lbs/ft 0.143Kg/m

Mechanical Specification

Minimum Bend Radius	1.3 (ins) 31.8 (mm)
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Electrical Specifications

Impedance	50 ohms
Capacitance	23.6pF/ft 77.4pF/m
Velocity of Propagation	85%
DC Resistance	
Inner Conductor	0.82 ohms/1000' 2.69 ohms/Km
Outer Conductor	1.27 ohms/1000' 4.17 ohms/Km

Attenuation

Freq (MHz)	dB/100ft	dB/100m
30	0.54	1.8
150	1.2	4
450	2.2	7.1
900	3.1	10.3
1500	4.1	13.6
2000	4.8	15.9
2500	5.5	18
5800	8.9	29.1

Connectors Available

Type	Inner Contact Attachment	Outer Contact Attachment
N Male	Solder	Clamp
N Female	Solder	Clamp