



RF Feeder System & Accessories

We are at the Heart of All Human Communication



Feeder Cable

ULL Series

Ultimate Low Loss Flexible Foam Dielectric Feeder



Construction

		LHF 22D-U (7/8")	LHF 42D-U (1-5/8")
Inner Conductor	Material / Construction	Smooth Copper Tube	Helically Corrugated Copper Tube
	Diameter (mm)	9.5	18.1
Dielectric	Material / Construction	Foamed Polyethylene	Foamed Polyethylene
	Diameter (mm)	23.1	43.6
Outer Conductor	Material / Construction	Annularly Corrugated Copper Tube	Annularly Corrugated Copper Tube
	Diameter (mm)	25.3	46.6
Jacket Diameter	Standard Jacket (mm)	28.2	50.0
	Halogen-Free / Flame-Retardant Jacket (mm)	28.2	50.0

Mechanical Characteristics

		LHF 22D-U (7/8")	LHF 42D-U (1-5/8")
Min. Bending Radius (mm)		250	500
Recommended Operating Temperature	Standard Jacket (°C)	-40 ~ +80	-40 ~ +80
	Halogen-Free / Flame-Retardant Jacket (°C)	-30 ~ +80	-30 ~ +80
Nominal Weight	Standard Jacket (kg/m)	0.47	1.05
	Halogen-Free / Flame-Retardant Jacket (kg/m)	0.51	1.15
Flat Plate Crush Resistance (kg/mm)		1.4	1.6
Max. Pulling Force (kg)		1	



Construction

		LHF 12D (1/2")	LHF 22D (7/8")	LHF 33D (1-1/4")	LHF 42D (1-5/8")
Inner Conductor	Material / Construction	Copper-Clad Aluminum Wire	Smooth Copper Tube	Smooth Copper Tube	Helically Corrugated Copper Tube
	Diameter (mm)	5.0	9.4	13.7	18.1
Dielectric	Material / Construction	Foamed Polyethylene	Foamed Polyethylene	Foamed Polyethylene	Foamed Polyethylene
	Diameter (mm)	12.5	23.0	33.6	43.5
Outer Conductor	Material / Construction	Annularly Corrugated Copper Tube	Annularly Corrugated Copper Tube	Annularly Corrugated Copper Tube	Annularly Corrugated Copper Tube
	Diameter (mm)	14.2	25.2	36.4	46.5
Jacket Diameter	Standard Jacket (mm)	16.4	28.2	39.4	50.0
	Halogen-Free / Flame-Retardant Jacket (mm)	16.4	28.2	39.4	50.0

Mechanical Characteristics

		LHF 12D (1/2")	LHF 22D (7/8")	LHF 33D (1-1/4")	LHF 42D (1-5/8")
Min. Bending Radius (mm)		125	250		

Feeder Cable

HFSC Series

Super Flexible Foam Dielectric Feeder



Construction

		HFSC 6D (1/4")	HFSC 10D (3/8")	HFSC 12D (1/2")	HFSC 22D (7/8")
Inner Conductor	Material / Construction	Copper-Clad Aluminum Wire	Copper-Clad Aluminum Wire	Copper-Clad Aluminum Wire	Helically Corrugated Copper Tube
	Diameter (mm)	1.9	2.8	3.6	9.4
Dielectric	Material / Construction	Foamed Polyethylene	Foamed Polyethylene	Foamed Polyethylene	Foamed Polyethylene
	Diameter (mm)	4.7	7.2	8.9	23.0
Outer Conductor	Material / Construction	Annularly Corrugated Copper Tube	Annularly Corrugated Copper Tube	Annularly Corrugated Copper Tube	Annularly Corrugated Copper Tube
	Diameter (mm)	6.4	9.5	12.2	25.2
Jacket Diameter	Standard Jacket (mm)	7.5	10.5	13.6	27.9
	Halogen-Free / Flame-Retardant Jacket (mm)	7.5	10.5	13.6	27.9

Mechanical Characteristics

		HFSC 6D (1/4")	HFSC 10D (3/8")	HFSC 12D (1/2")	HFSC 22D (7/8")
Min. Bending Radius (mm)		25	25	32	125
Recommended Operating Temperature	Standard Jacket (°C)	-40 ~ +80	-40 ~ +80	-40 ~ +80	-40 ~ +80

Radiating Cable

Aluminum RFACX Series(Coupled Mode)



Construction

		RFACX 12D (1/2")	RFACX 22D (7/8")
Inner Conductor	Material / Construction	Copper-Clad Aluminum Wire	Smooth Copper Tube
	Diameter (mm)	4.8	9.4
Dielectric	Material / Construction	Foamed Polyethylene	Foamed Polyethylene
	Diameter (mm)	12.0	23.0
Outer Conductor	Material / Construction	Annularly Corrugated Aluminum Tube with Milled Slots	Annularly Corrugated Aluminum Tube with Milled Slots
	Diameter (mm)	13.8	25.2
Jacket Diameter	Standard Jacket (mm)	16.0	28.2
	Halogen-Free / Flame-Retardant Jacket (mm)	16.0	28.2

Mechanical Characteristics

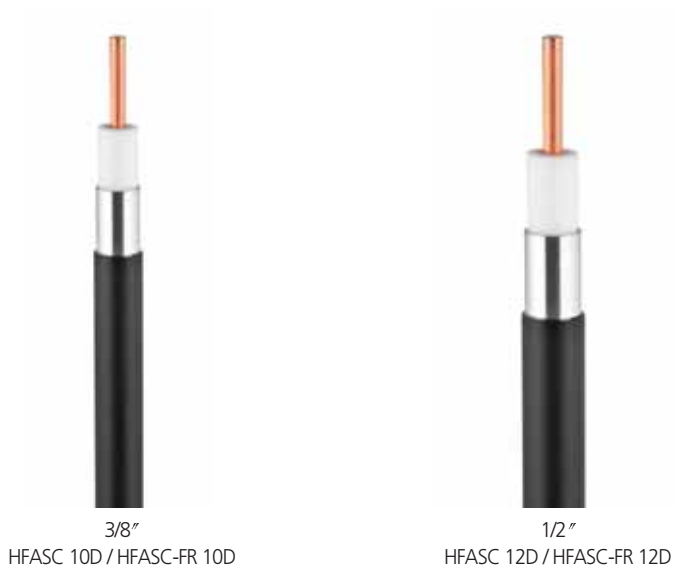
		RFACX 12D (1/2")	RFACX 22D (7/8")
Min. Bending Radius (mm)		125	250
Recommended Operating Temperature	Standard Jacket (°C)	-40 ~ +80	-40 ~ +80
	Halogen-Free / Flame-Retardant Jacket (°C)	-30 ~ +80	-30 ~ +80
Nominal Weight	Standard Jacket (kg/m)	0.17	0.38
	Halogen-Free / Flame-Retardant Jacket (kg/m)	0.19	0.42

Electrical Characteristics

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HFASC Series

Super Flexible Foam Dielectric Aluminum Feeder



Construction

		HFASC 10D (3/8")	HFASC 12D (1/2")
Inner Conductor	Material / Construction	Copper-Clad Aluminum Wire	Copper-Clad Aluminum Wire
	Diameter (mm)	3.6	5.0
Dielectric	Material / Construction	Foamed Polyethylene	Foamed Polyethylene
	Diameter (mm)	9.7	13.4
Outer Conductor	Material / Construction	Aluminum Smooth Tube	Aluminum Smooth Tube
	Diameter (mm)	10.1	13.8
Jacket Diameter	Standard Jacket (mm)	11.4	15.6
	Halogen-Free / Flame-Retardant Jacket (mm)	11.4	15.6

* Cable dimension is nominal value

Mechanical Characteristics

		HFASC 10D (3/8")	HFASC 12D (1/2")
Min. Bending Radius (mm)		32	60
Recommended Operating Temperature	Standard Jacket (°C)	-40 ~ +80	-40 ~ +80
	Halogen-Free / Flame-Retardant Jacket (°C)	-30 ~ +80	-30 ~ +80
Nominal Weight	Standard Jacket (kg/m)	109	0.18
	Halogen-Free / Flame-Retardant Jacket (kg/m)	117	0.19
Flat Plate Crush Resistance (kg/mm)		1.7	1.7

Jacket Option

Packing Information

Standard Jacket

LHF & HFC & HFSC & HFAC & RFCX & RFACX & RFCL Series Cables Complying with;

- IEC 754-1 : Halogen Acid Gas Content (Chlorine < 0.5%)
- IEC 754-2 : Degree of Acidity of Gas (pH-Value > 4.0, Conductivity < 100 μS/cm)

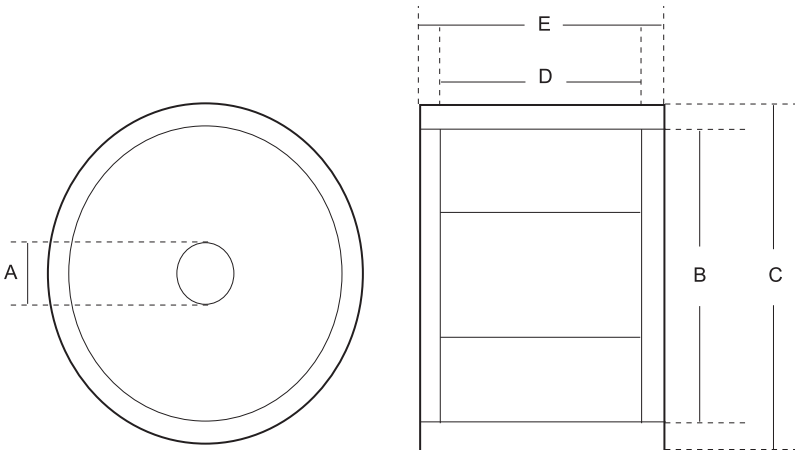
Flame Retardant Jacket

LHF & HFC & HFSC & HFAC & RFCX & RFACX Series Cables Complying with;

- IEC 754-1 : Halogen Acid Gas Content (Chlorine < 0.5%)
- IEC 754-2 : Degree of Acidity of Gas (pH-Value > 4.0, Conductivity < 100 μS/cm)
- IEC 332-1 : Flammability Test on Single Cables
- IEC 332-3C : Flammability Test on Cable Bundles
- IEEE 383 : Flammability Test on Cable Bundles
- ASTM E 662 : Optical Density of Smoke (Smoke - Density < 150)

RFCL Series Cables Complying with;

- IEC 754-1 : Halogen Acid Gas Content (Chlorine < 0.5%)
- IEC 754-2 : Degree of Acidity of Gas (pH-Value > 4.0, Conductivity < 100 μS/cm)
- IEC 332-1 : FlammabilityTest on Single Cables
- ASTM E 662 : Optical Density of Smoke (Smoke - Density < 150)



Model	Jacket	IEC 754-1	IEC 754-2	IEC 332-1	IEC 332-3C	IEEE 383	ASTM E 662
• LHF 12D / 22D / 32D / 42D	Standard Black PE						



www.lscns.com

LS RF Feeder System & Accessories

19F, LS Yongsan Tower, 92, Hangang-daero, Yongsan-gu, Seoul, 04386, Korea
Tel. 02-2189-9231/9328 Fax. 02-2189-9259

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