UNFLANGED RIGID LINES
ZERO CUT

FEATURES

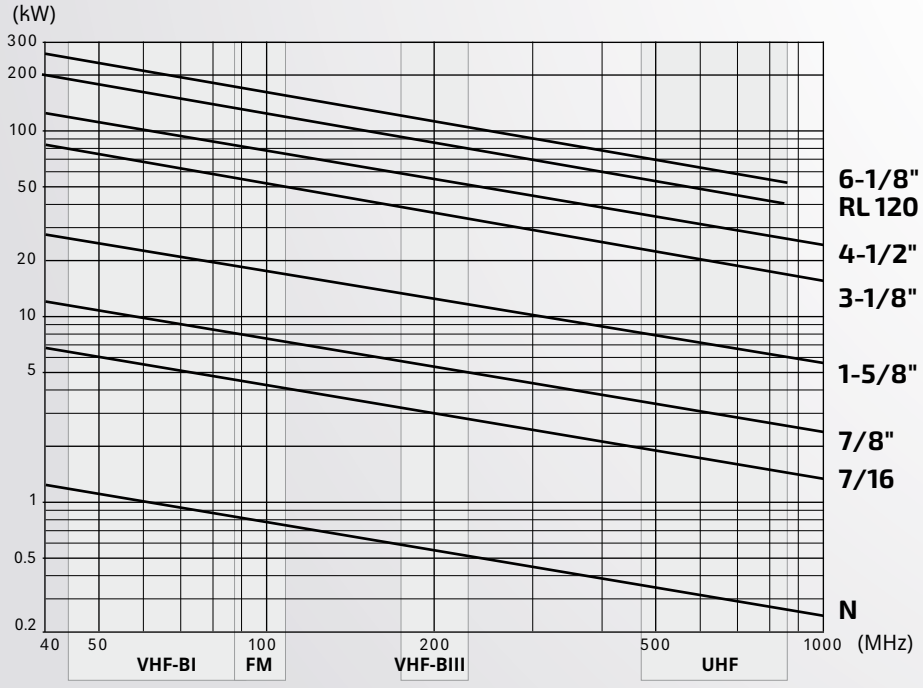
- unflanged rigid lines
- low insertion losses
- low V.S.W.R
- indoor applications

GENERAL FEATURES

FREQUENCY RANGE		0.1 ÷ 860 MHz
IMPEDANCE		50 ohm
RETURN LOSS		≥ 32 dB
MAX MEAN POWER		See table
LENGHT		Standard lenght 4 m (13.1 ft) **
WEIGHT		See table
OPERATING TEMPERATURE RANGE		-40 to +70° C (-40 to +158° F)
MATERIALS	- Outer conductor*	High conductivity copper, aluminium
	- Inner conductor	High conductivity copper
	- Insulating material	Teflon
TERMINATED TYPE		EIA Unflanged

* only aluminium for 7/8"
** other lenght on request

MAX MEAN POWER



STANDARD CONDITIONS:

- V.S.W.R. = 1.0
- Ambient temperature 40°C (104°F)
- Atmospheric Pressure, dry air
- Inner Conductor Temperature 120°C (248°F)

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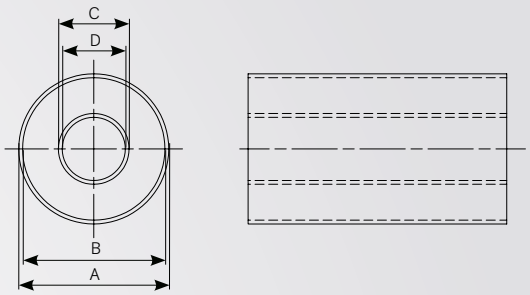
TYPE	DIMENSIONS mm (in) Outer conductor (A/B)	Inner conductor (C/D)	WEIGHT Kg/m (lb/ft)	RF OPERATING VOLTAGE (kV)	DC VOLTAGE (kV)
7/8"	22.3 / 20 (0.88 / 0.79)	8.7 / 7.4 (0.34 / 0.29)	0.4 (0.27)	2.7	4
1-5/8"	41.3 / 38.8 (1.63 / 1.53)	16.87 / 14.93 (0.66 / 0.59)	1.9 (1.3)	5.2	7
3-1/8"	79.4 / 76.9 (3.13 / 3.03)	33.4 / 31.3 (1.31 / 1.23)	3.8 (2.6)	9.7	14
4-1/2"	106 / 103 (4.17 / 4.06)	44.8 / 42.8 (1.76 / 1.69)	5.65 (3.8)	12.5	19
6-1/8"	155.6 / 151.9 (6.13 / 5.98)	66 / 64 (2.6 / 2.52)	9.8 (6.6)	17	25



MECHANICAL DATA

TYPE	DIMENSIONS	FIGURE A	FIGURE B	FIGURE C	FIGURE D
7/8"	LENGHT mm (in)	L ≤ 1000 (39.4)	1000 (39.4) < L ≤ 2000 (78.7)	2000 (78.7) < L ≤ 3000 (118.1)	3000 (118.1) < L ≤ 4000 (157.5)
	INNER SUPPORTS (No)	0	1	2	3
	OUTER CONDUCTOR LENGHT mm (in)	Le = L	Le = L	Le = L	Le = L
	INNER CONDUCTOR LENGHT mm (in)	Li = L	Li = (L-25.5)/2 (L-1.0)/2	Li = (L-49.5)/3 (L-1.95)/3	Li = (L-74.0)/4 (L-2.91)/4
1-5/8"	LENGHT mm (in)	L ≤ 1500 (59.1)	1500 (59.1) < L ≤ 3000 (118.1)	3000 (118.1) < L ≤ 4000 (157.5)	_
	INNER SUPPORTS (No)	0	1	2	_
	OUTER CONDUCTOR LENGHT mm (in)	Le = L	Le = L	Le = L	_
	INNER CONDUCTOR LENGHT mm (in)	Li = L	Li = (L-32.0)/2 ((L-1.26)/2)	Li = (L-62.0)/3 ((L-2.44)/3)	_
3-1/8"	LENGHT mm (in)	L ≤ 2000 (78.7)	2000 (78.7) < L ≤ 4000 (157.5)	_	_
	INNER SUPPORTS (No)	0	1	_	_
	OUTER CONDUCTOR LENGHT mm (in)	Le = L	Le = L	_	_
	INNER CONDUCTOR LENGHT mm (in)	Li = L	Li = (L-49.0)/2 ((L-1.93)/2)	_	_
4-1/2"	LENGHT mm (in)	L ≤ 2000 (78.7)	2000 (78.7) < L ≤ 4000 (157.5)	_	_
	INNER SUPPORTS (No)	0	1	_	_
	OUTER CONDUCTOR LENGHT mm (in)	Le = L	Le = L	_	_
	INNER CONDUCTOR LENGHT mm (in)	Li = L	Li = (L-49.0)/2 ((L-1.93)/2)	_	_
6-1/8"	LENGHT mm (in)	L ≤ 2000 (78.7)	2000 (78.7) < L ≤ 4000 (157.5)	_	_
	INNER SUPPORTS (No)	0	1	_	_
	OUTER CONDUCTOR LENGHT mm (in)	Le = L	Le = L	_	_
	INNER CONDUCTOR LENGHT mm (in)	Li = L	Li = (L-66.5)/2 ((L-2.62)/2)	_	_

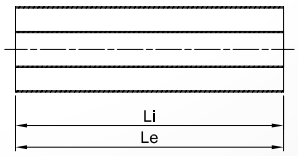


figure “A”

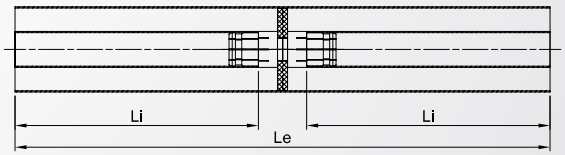


figure “B”

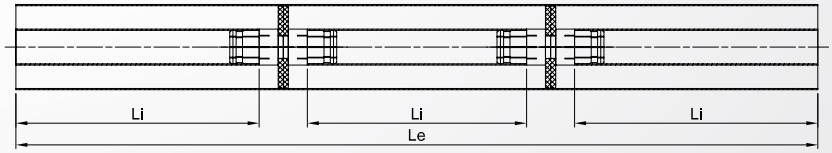


figure “C”

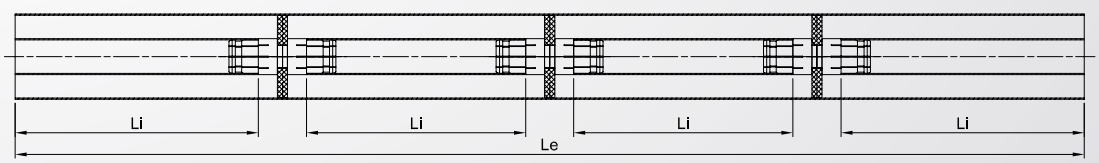


figure “D”