LL100 SERIES

ELECTRO - PHOTONICS
WAVES INTO THE FUTURE
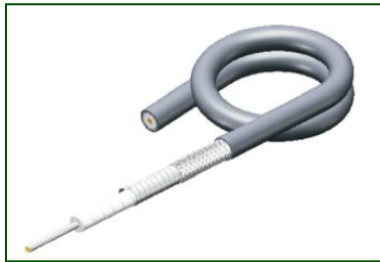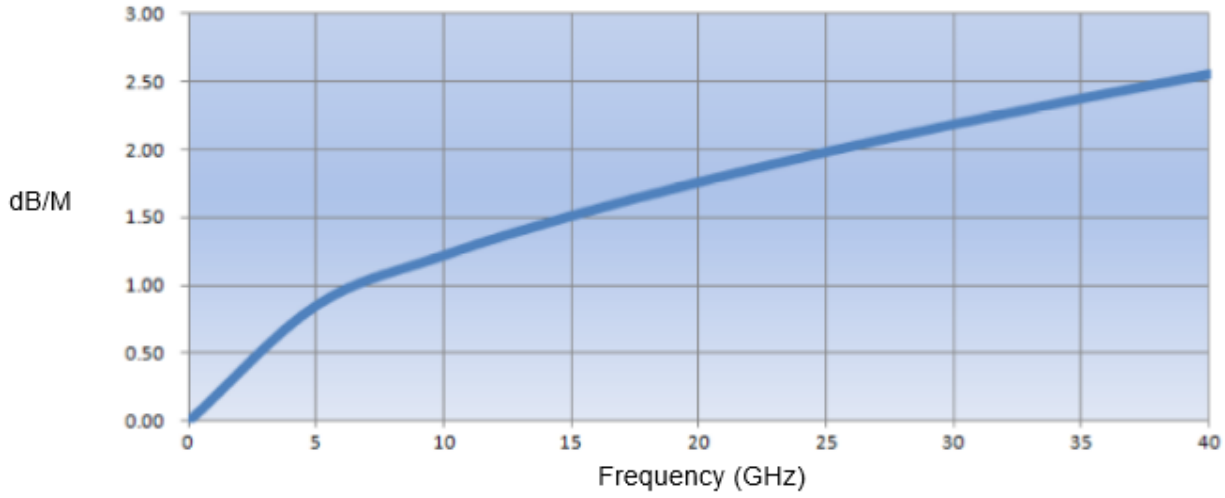

The LL100 series cable assemblies are low loss and phase stable flexible cables. These cables have good return loss, insertion loss and amplitude stability. The LL100 cables are cost effective, high-performance cable assemblies designed for use in a broad range of applications up to 40GHz.
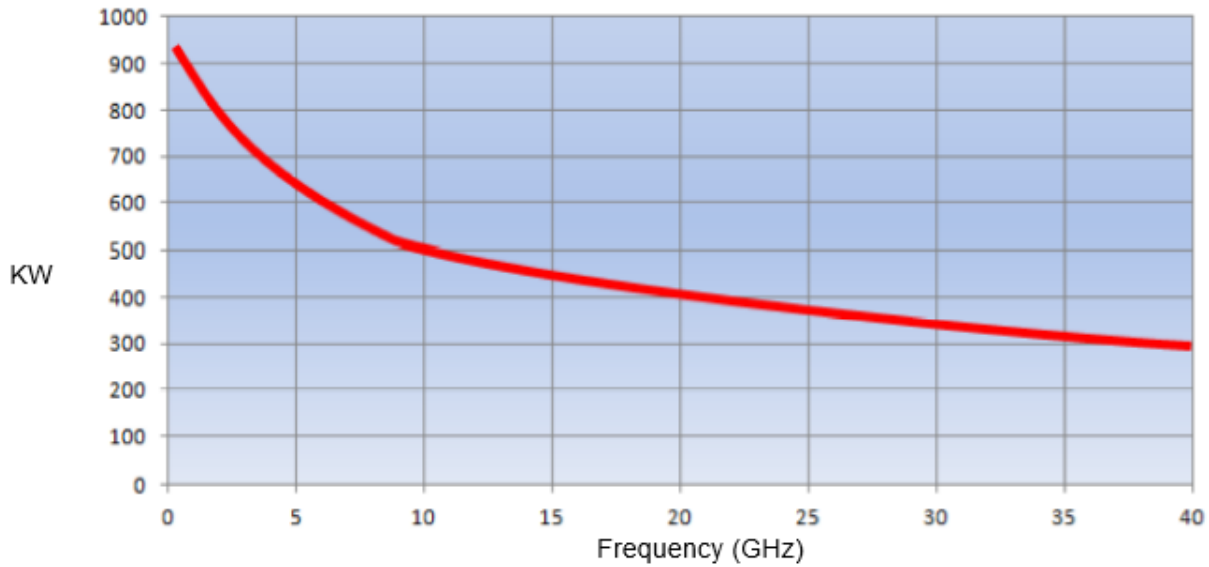
SPECIFICATIONS

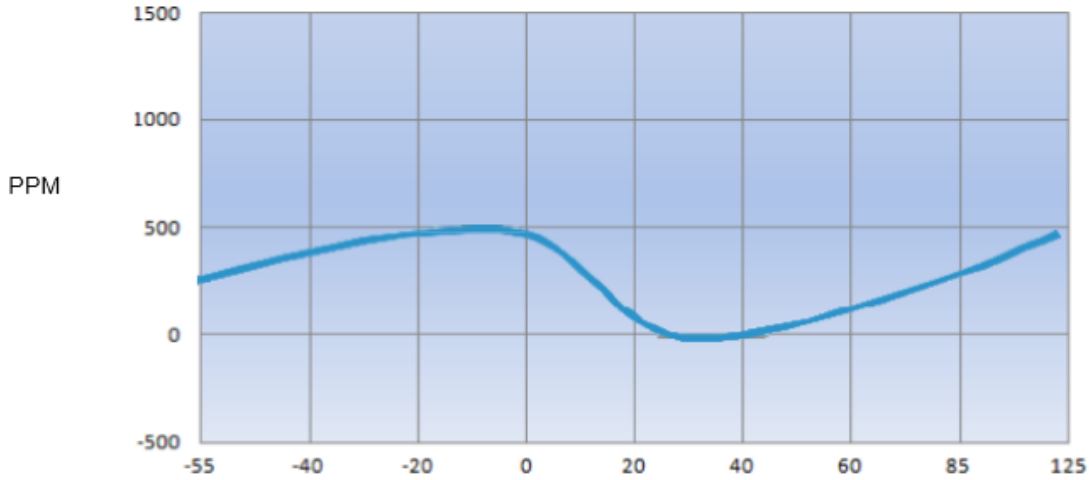| SPECIFICATION	UNITS		LL100
IMPEDANCE	Ohms		50
MAX FREQUENCY	GHz		40
VSWR			1.25
INSERTION LOSS TYP	dB/m	@ 40 GHz	3.2
VELOCITY OF PROPAGATION	%		83
RF LEAKAGE	dB		-90
JACKET	mm		3.6
OUTER SHIELD	mm		3.15
DIELECTRIC	mm		2.50
CENTER CONDUCTOR	mm		0.91
BEND RADIUS	mm		18
WEIGHT	g/m		33
OPERATING TEMPERATURE	°C		-55° TO + 155°

CABLE ASSEMBLIES

LL100 SERIES

LOW LOSS, PHASE STABLE FLEXIBLE CABLE ASSEMBLY

ELECTRO - PHOTONICS
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CABLE ATTENUATION VS. FREQUENCY @ 25 °C

POWER HANDLING @ 40 °C

CABLE ASSEMBLIES

ELECTRO - PHOTONICS
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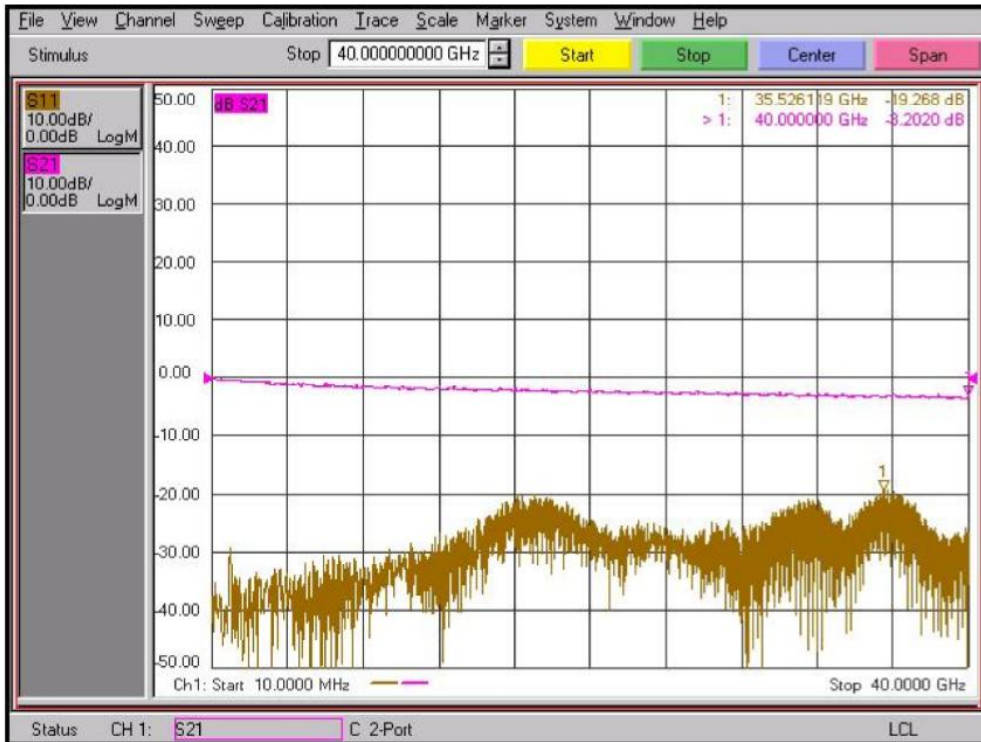
CABLE PHASE STABILITY OVER TEMPERATURE
PHASE CHANGE (PPM)

TYPICAL S-PARAMETERS DATA TO 40GHz
1M CABLE ASSEMBLY WITH K (2.92mm) MALE CONNECTORS

CABLE ASSEMBLIES

LL100 SERIES

LOW LOSS, PHASE STABLE FLEXIBLE CABLE ASSEMBLY

ELECTRO - PHOTONICS
WAVES INTO THE FUTURE

ORDERING INFO

EPC	**KMS**	-	**LL100**	-	**1.0M**	-	**KMS**
PRODUCT CODE	CONNECTOR TYPE		CABLE SERIES		LENGTH		CONNECTOR TYPE

CONNECTOR TYPE	CABLE SERIES	LENGTH	CONNECTOR TYPE
3MS = 3.5MM (M) STRAIGHT 3FS = 3.5MM (F) STRAIGHT SM = SMA (M) STRAIGT SF = SMA(F) STRAIGHT NM = N-TYPE (M) STRAIGHT NF = N-TYPE (F) STRAIGHT KMS = K (M) STRAIGHT KFS = K (F) STRAIGHT	LL100 = Flexible Cable	XX.X = INCHES X.XM = METERS	3MS = 3.5MM (M) STRAIGHT 3FS = 3.5MM (F) STRAIGHT SM = SMA (M) STRAIGT SF = SMA(F) STRAIGHT NM = N-TYPE (M) STRAIGHT NF = N-TYPE (F) STRAIGHT KMS = K (M) STRAIGHT KFS = K (F) STRAIGHT

CABLE ASSEMBLIES

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