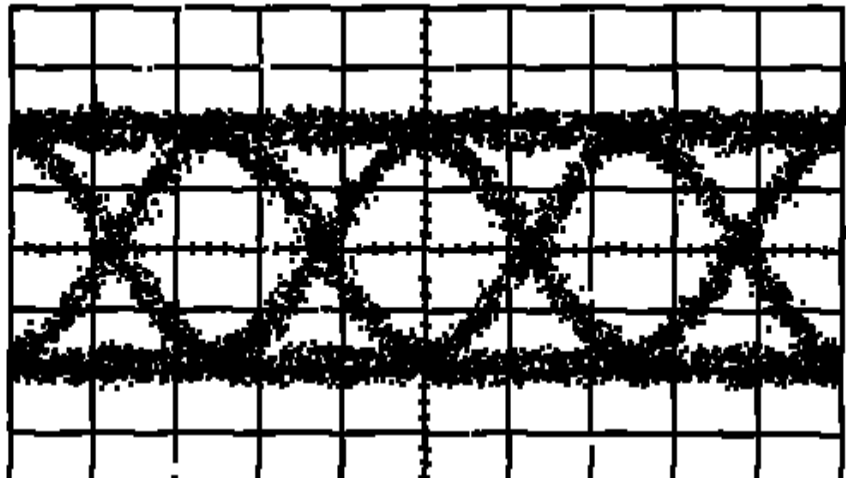


50 GHz Coaxial Cable Assemblies with 2.4 mm Connectors

Delairé's 50 GHz coaxial cable assemblies achieve high performance with low insertion loss and superior VSWR, making them ideal for telecommunications, RF/Microwave and CATV applications. Based on low density PTFE cores, triple shielded construction, and complimentary connectors, these cable assemblies have been developed with high end performance in mind. Available in custom lengths and individually tested to insure optimum quality.



500mv/div Time = 10ps/div
 OC-768 Signal – 40Gb/s

Specifications

3 ft. Cable Assembly with 2.4mm Connectors
 Approximate Values at ~40GHz (See adjoining data)

S11 - Return Loss	-20	dB
S21 - Insertion Loss	-3.5	dB
SWR	1.3	

Electrical Properties – Basic Cable

Impedance	50	Ohms
Capacitance	27	pf/ft
Inductance	67	nH/ft
Shielding Effectiveness	> 90	dB
Max. Frequency	50	GHz
Propagation Velocity	75.5	%c
Temp. Phase Stability	25	PPM
Breakdown Voltage	> 5	KV
Nominal Attenuation @50 GHz	1.4	dB/ft

Mechanical Properties – Basic Cable

Jacket O.D.	0.126	in.
Outer Jacket O.D.	0.13	in.
Foil O.D.	0.097	in.
Inner Brad O.D.	0.088	in.
Dielectric O.D.	0.075	in.
Center Conductor O.D.	0.025	in.
Conductor Type	solid	
Inside Min. Bend Radius	0.6	in.
Weight	0.02	lbs/ft
Operating Temperature	-65/200	°C

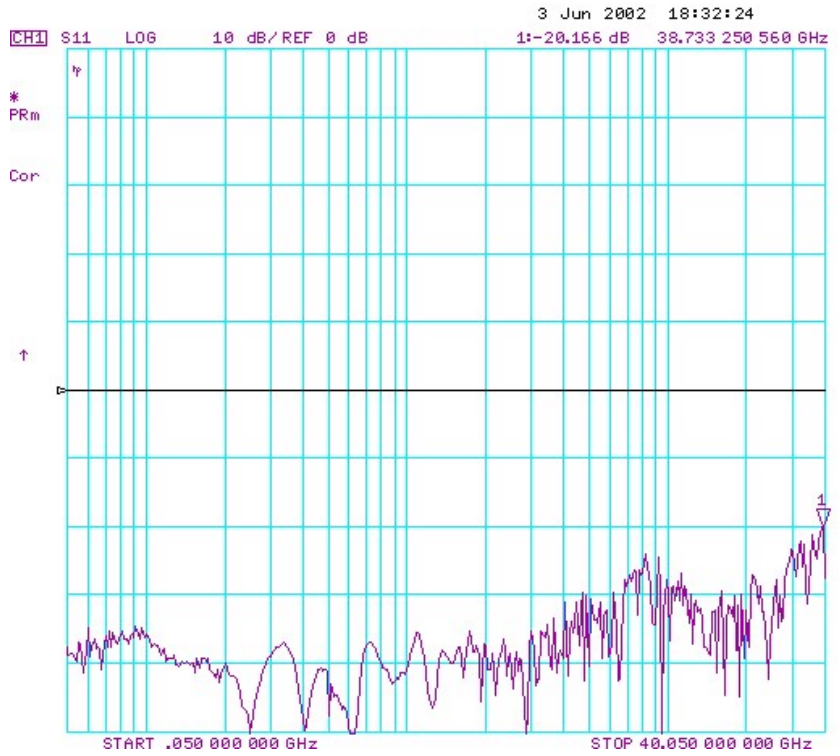


RF & Fiber Optic Specialists
MWBE Approved Supplier

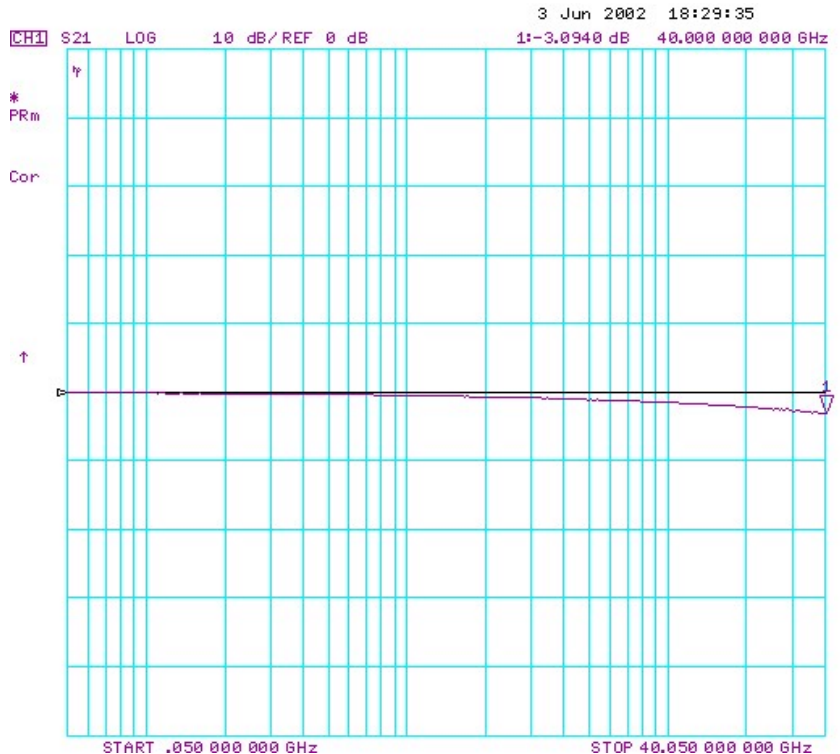


July 2002

S11 Return Loss 10 dB / REF 0 dB



S21 Insertion Loss 10 dB / REF 0 dB



Part #:	BF9070-00	Date:	10/15/2004	Approval:	vpl	ECO#:	N/A	REV:	000
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