

CAxx Series

RF Cable Assembly
DC-7 GHz

The Laird Connectivity CA178 cable assemblies are engineered for peak performance up to 7 GHz. They are 100% tested and certified to meet performance specifications. Equipment manufacturers require certified cable assemblies to minimize system losses to within known parameters and these cable assemblies meet those requirements. The manufacturing processes and raw materials are well controlled in order to provide very consistent performance from lot to lot.

FEATURES AND BENEFITS

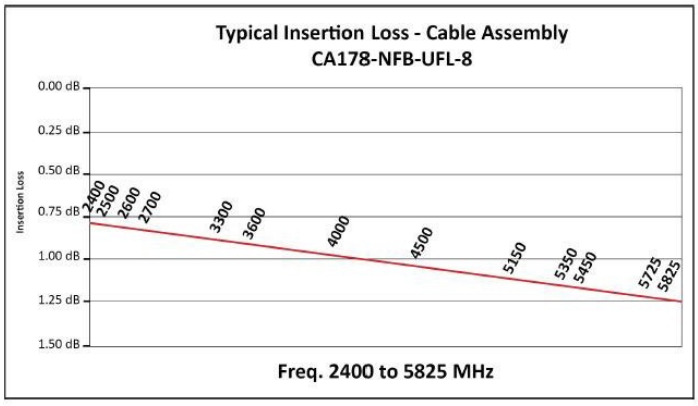
- Consistent low loss design construction
- 100% tested and certified to meet specifications
- Various connector options available
- Flexible high temperature kink resistant cable jacket

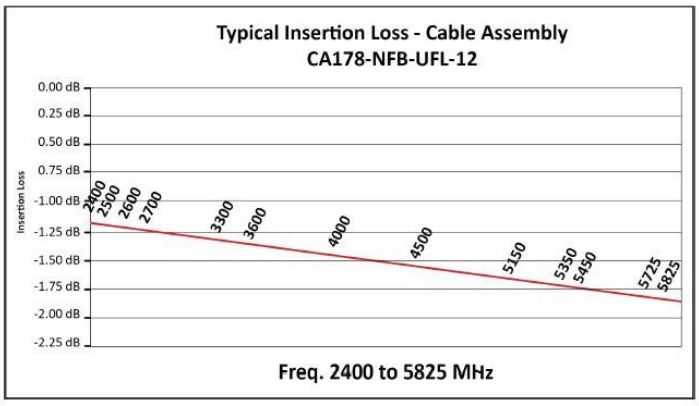
APPLICATIONS

- High performance wireless systems
- OEM equipment
- WiMAX

SPECIFICATIONS		
Model Name	CA178-NFB-UFL-8	CA178-NFB-UFL-12
Insertion Loss (dB) – max	-1.5	-2.5
Length – mm (inches)	203 (8.0)	305 (12.0)
Weight – g (lbs.)	40.0 (1.4)	43.0 (1.5)
Connector Types	N-Female bulkhead - UFL	
N Connector Seal	O-ring	
Contact Plating	Gold	
Operating Temperature – °C (°F)	-40 to +125°C (-22 to +158°F)	
Material Substance Compliance	RoHS	

INSERTION LOSS





ORDERING INFORMATION

PART NUMBER	DESCRIPTION
CA178-NFB-UFL-8	N-female bulkhead to U.FL, 8 inches
CA178-NFB-UFL-12	N-female bulkhead to U.FL, 12 inches
CA178-NM-UFL-8	N-male to U.FL, 8 inches
CA178-NM-UFL-12	N-male to U.FL, 12 inches

ORDERING INFORMATION

PART NUMBER	CONNECTOR 1	CONNECTOR 2	CABLE LENGTH CM (INCHES)	CABLE TYPE	MAX INSETION LOSS (DB)
CA100-NFB-MC-12	N female bulkhead	MC-card	30.48 (12)	LMR100 (equivalent)	1.5
CA178-NFB-UFL-12	N female bulkhead	MMCX	30.48 (12)	LMR100 (equivalent)	1.5
CA178-NM-UFL-8	N female bulkhead	Right angle SMA male	30.48 (12)	LMR100 (equivalent)	1
CA178-NM-UFL-12	N female bulkhead	Reverse polarity MMCX	30.48 (12)	LMR100 (equivalent)	1.5
CA100-NFB-RSMAM-12	N female bulkhead	Reverse polarity SMA male	30.48 (12)	LMR100 (equivalent)	1
CA100-NFB-RTNCM-12	N female bulkhead	Reverse polarity TNC male	30.48 (12)	LMR100 (equivalent)	1
CA100-NFB-SMAM-8	N female bulkhead	SMA male	20.32 (8)	LMR100 (equivalent)	0.8
CA100-NM-MC-12	N-male	MC-card	30.48 (12)	LMR100 (equivalent)	1
CA100-NM-MMCX-12	N-male	MMCX	30.48 (12)	LMR100 (equivalent)	1
CA100-NM-RASMAM-12	N-male	Right angle SMA male	30.48 (12)	LMR100 (equivalent)	1
CA100-NM-RSMAM-12	N-male	Reverse polarity SMA male	30.48 (12)	LMR100 (equivalent)	1
CA100-NM-RTNCM-12	N-male	Reverse polarity TNC male	30.48 (12)	LMR100 (equivalent)	1
CA100-RPSMAM-RASMAM-12	Reverse polarity SMA male	Right angle SMA male	30.48 (12)	LMR100 (equivalent)	1
CA100-RPTNCF-NC-6	Reverse polarity TNC female bulkhead	No connector	15.24 (6)	LMR100 (equivalent)	0.5
CA100-RPTNCM-RASMAM-12	Reverse polarity TNC male	Right angle SMA male	30.48 (12)	LMR100 (equivalent)	1
CA100-TNCF-NC-6	TNC female bulkhead	No connector	15.24 (6)	LMR100 (equivalent)	0.5
CA178-NFB-UFL-12	N female bulkhead	U.FL	30.48 (12)	RG178 high freq.	2
CA178-NFB-UFL-8	N female bulkhead	U.FL	20.32 (8)	RG178 high freq.	1.5
CA178-NM-UFL-12	N male	U.FL	30.48 (12)	RG178 high freq.	2
CA178-NM-UFL-8	N male	U.FL	20.32 (8)	RG178 high freq.	1.5
CA178-RTNCB-MMCX-4	Reverse polarity TNC bulkhead (black)	MMCX	10.16 (4)	RG178 high freq.	0.8
CA178-RTNCB-MMCX-6	Reverse polarity TNC bulkhead (black)	MMCX	15.24 (6)	RG178 high freq.	1
CA178-RTNCB-UFL-6	Reverse polarity TNC bulkhead (black)	U.FL	15.24 (6)	RG178 high freq.	1
CA400-NM-NM-48	N male bulkhead	U.FL	121.92 (48)	LMR400 (equivalent)	0.8
CA58-NM-MCX-197	N-male	MCX	500.38 (197)	RG58/u (white)	5
CA58-SMA-MCX-96	Right angle SMA male	MCX	243.84 (96)	RG58/u (white)	2.5
CA58-SMA-NF-96	Right angle SMA male	N female bulkhead	243.84 (96)	RG58/u (white)	2.5
CA58-SMA-RSMA-96	Right angle SMA male	Reverse polarity SMA male	243.84 (96)	RG58/u (white)	2.5
CA58-SMA-RTNC-96	Right angle SMA male	Reverse polarity TNC male	243.84 (96)	RG58/u (white)	2.5
CA58-SMA-SMAF-96	Right angle SMA male	SMA female bulkhead	243.84 (96)	RG58/u (white)	2.5

TE TECHNICAL SUPPORT CENTER

USA:	+1 (800) 522-6752
Canada:	+1 (905) 475-6222
Mexico:	+52 (0) 55-1106-0800
Latin/S. America:	+54 (0) 11-4733-2200
Germany:	+49 (0) 6251-133-1999
UK:	+44 (0) 800-267666
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12/21 Original

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