



The CA178 cable assemblies offered by Laird are engineered for peak performance up to 6 GHz. They are tested 100% 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

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

#### MARKETS

- High performance wireless systems
- OEM equipment
- WiMAX

#### INSERTION LOSS BY FREQUENCY



PARAMETER	CA178-NFB-UFL-8	CA178-NFB-UFL-12
Insertion loss (700-5825 MHz)	-1.5 dB max	-2.5 dB max
Length	8 in (203 mm)	12 in (305 mm)
Weight	1.4 oz (40 gm)	1.5 oz (43 gm)
Connector types	N female bulkhead - UFL	N female bulkhead - UFL
N connector seal	O-ring	O-ring
Contact plating	Gold	Gold
Operating temperature	-40 to +125°C	-40 to +125°C

#### SYSTEM ORDERING

- CA178-NFB-UFL-8 N Female Bulkhead to U.FL 8 in
- CA178-NFB-UFL-12 N Female Bulkhead to U.FL
- CA178-NM-UFL-8 12 in N Male to U.FL 8 in
- CA178-NM-UFL-12 N Male to U.FL 12 in

Americas: +1.847 839.6907  
IAS-AmericasEastSales@lairdtech.com

Europe: +44.1628.858941  
IAS-EUSales@lairdtech.com

Asia: +86.21.5855.0827.127  
IAS-AsiaSales@lairdtech.com

[www.lairdtech.com](http://www.lairdtech.com)



Smart Technology. Delivered.

# RF Cable Assembly

## CA178

### 700 MHz to 5.82 GHz

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

Americas: +1.847.839.6907  
 IAS-AmericasEastSales@lairdtech.com

Europe: +44.1628.858941  
 IAS-EUSales@lairdtech.com

Asia: +86.21.5855.0827.127  
 IAS-AsiaSales@lairdtech.com

[www.lairdtech.com](http://www.lairdtech.com)

ANT-DS-CA178 0115

Any information furnished by Laird Inc. and its agents is believed to be accurate and reliable. All specifications are subject to change without notice. Responsibility for the use and application of Laird materials rests with the end user, since Laird and its agents cannot be aware of all potential uses. Laird makes no warranties as to the fitness, merchantability or suitability of any Laird materials or products for any specific or general uses. Laird shall not be liable for incidental or consequential damages of any kind. All Laird products are sold pursuant to the Laird Terms and Conditions of sale in effect from time to time, a copy of which will be furnished upon request. © Copyright 2015 Laird Inc. All Rights Reserved. Laird, Laird Technologies, the Laird Logo, and other marks are trademarks or registered trademarks of Laird Inc. or an affiliate company thereof. Other product or service names may be the property of third parties. Nothing herein provides a license under any Laird or any third party intellectual property rights.

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкуренеспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



Тел: +7 (812) 336 43 04 (многоканальный)  
Email: [org@lifeelectronics.ru](mailto:org@lifeelectronics.ru)