

SIEMENS

SIMATIC NET

Industrial Wireless LAN

RCoax Basic 5 GHz

Compact Operating Instructions

Legal information

Warning notice system

This manual contains notices you have to observe in order to ensure your personal safety, as well as to prevent damage to property. The notices referring to your personal safety are highlighted in the manual by a safety alert symbol, notices referring only to property damage have no safety alert symbol. These notices shown below are graded according to the degree of danger.

DANGER

indicates that death or severe personal injury **will** result if proper precautions are not taken.

WARNING

indicates that death or severe personal injury **may** result if proper precautions are not taken.

CAUTION

indicates that minor personal injury can result if proper precautions are not taken.

NOTICE

indicates that property damage can result if proper precautions are not taken.

If more than one degree of danger is present, the warning notice representing the highest degree of danger will be used. A notice warning of injury to persons with a safety alert symbol may also include a warning relating to property damage.

Qualified Personnel

The product/system described in this documentation may be operated only by **personnel qualified** for the specific task in accordance with the relevant documentation, in particular its warning notices and safety instructions. Qualified personnel are those who, based on their training and experience, are capable of identifying risks and avoiding potential hazards when working with these products/systems.

Proper use of Siemens products

Note the following:

WARNING

Siemens products may only be used for the applications described in the catalog and in the relevant technical documentation. If products and components from other manufacturers are used, these must be recommended or approved by Siemens. Proper transport, storage, installation, assembly, commissioning, operation and maintenance are required to ensure that the products operate safely and without any problems. The permissible ambient conditions must be complied with. The information in the relevant documentation must be observed.

1 Introduction

1.1 Scope of validity

These operating instructions apply to the cable RCoax Basic 5GHz.

Product	Article number
RCoax Basic 5GHz	6XV1875-1D

1.2 Certification

The products and systems listed in this document are manufactured and marketed using a quality management system complying with DIN ISO 9001 (Certificate Register no. 2613) and certified by DQS. The DQS certificate is recognized in all IQNet countries (reg. no.: 2613).

1.3 Supplementary documentation

Documentation on the Internet

You can find the current version of the document on the Internet at (<https://support.industry.siemens.com/cs/ww/en/ps/15891/man>)

Enter the name or article number of the product in the search filter.

Further documentation

For more detailed information on IWLAN products, refer to the following documentation:

- RCoax
- Industrial Ethernet / PROFINET Industrial Ethernet
- Industrial Ethernet / PROFINET Passive network components
- Passive network components IWLAN

The RCoax system manual contains both an explanation of the basic technical aspects as well as a description of the individual RCoax components and their mode of operation. Installation/commissioning and connection of RCoax components and their operating principle are explained. The possible applications of the various SIMATIC NET components are described.

You can find the RCoax system manual on the Internet pages of Siemens Industry Online Support under the following entry ID:

- 109480869 (<https://support.industry.siemens.com/cs/de/en/view/109480869>)
SIMATIC NET: Industrial Wireless LAN RCoax

In the system manuals "Industrial Ethernet / PROFINET Industrial Ethernet" and "Industrial Ethernet / PROFINET passive network components", you will find information on other SIMATIC NET products that you can operate along with the devices of this product line in an Industrial Ethernet network.

There, you will find among other things optical performance data of the communications partner that you require for the installation.

You will find the system manuals here:

- On the Internet pages of Siemens Industry Online Support under the following entry IDs:
 - 27069465 (<https://support.industry.siemens.com/cs/de/en/view/27069465>)
Industrial Ethernet / PROFINET Industrial Ethernet System Manual
 - 84922825 (<https://support.industry.siemens.com/cs/de/en/view/84922825>)
Industrial Ethernet / PROFINET - Passive network components System Manual

The "Passive network components IWLAN" system manual explains the entire IWLAN cabling that you require for your IWLAN application.

You can find the "Passive network components IWLAN" system manual on the Internet pages of Siemens Industry Online Support under the following entry ID:

- 109480868 (<https://support.industry.siemens.com/cs/ww/en/view/109480868>)
Passive network components IWLAN

1.4 Security information

Siemens provides products and solutions with industrial security functions that support the secure operation of plants, systems, machines and networks.

In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial security concept. Siemens' products and solutions constitute one element of such a concept.

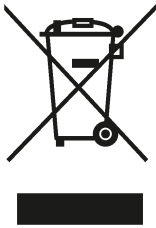
Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place.

For additional information on industrial security measures that may be implemented, please visit <https://www.siemens.com/industrialsecurity> (<https://www.siemens.com/industrialsecurity>).

Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats.

To stay informed about product updates, subscribe to the Siemens Industrial Security RSS Feed under <https://www.siemens.com/cert> (<https://www.siemens.com/cert>).

1.5 Recycling and disposal



The products are low in pollutants, can be recycled and meet the requirements of the WEEE directive 2012/19/EU for the disposal of electrical and electronic equipment.

Do not dispose of the products at public disposal sites.

For environmentally friendly recycling and the disposal of your old device contact a certified disposal company for electronic scrap or your Siemens contact (Product return (<https://support.industry.siemens.com/cs/ww/en/view/109479891>)).

Note the different national regulations.

1.6 SIMATIC NET glossary

The SIMATIC NET glossary describes terms that may be used in this document.

You will find the SIMATIC NET glossary in the Siemens Industry Online Support at the following address:

50305045 (<https://support.industry.siemens.com/cs/ww/en/view/50305045>)

1.7 Marken

Trademarks

The following and possibly other names not identified by the registered trademark sign ® are registered trademarks of Siemens AG:

SCALANCE, C-PLUG, RCoax

2 Product overview

2.1 RCoax cables

The IWLAN RCoax cables have an antenna function due to openings in the line conductor and are available in the following frequency bands:

Product		Article numbers
2,4 GHz	RCoax	6XV1875-2A
5 GHz	RCoax	6XV1875-2D
	RCoax Basic 5 GHz	6XV1875-1D

Note

Technical specifications

You will find technical information on the cable RCoax Basic 5 GHz in the section "Technical specifications (Page 5)".

You can find more information on the RCoax cables 1/2" 2.4 GHz and 5 GHz in the RCoax system manual (<https://support.industry.siemens.com/cs/de/en/view/109480869>).

2.2 RCoax antennas

Product	Description	Article numbers
ANT792-4DN antenna, RCoax	RCoax helical antenna with circular polarization for RCoax systems, 2.4 GHz	6GK5792-4DN00-0AA6
ANT793-4MN antenna, RCoax	RCoax $\lambda/8$ antenna with vertical polarization for RCoax systems, 5 GHz	6GK5793-4MN00-0AA6

Note

Technical specifications

You can find technical information on the RCoax products in the RCoax system manual (<https://support.industry.siemens.com/cs/de/en/view/109480869>).

2.3 RCoax accessories

The products listed are suitable for use with 2.4 GHz and 5 GHz RCoax cables:

Product	Description	Article numbers
RCoax N-Connect Female N-Connector On-Site-Assembly	Connection piece of RCoax Cable for connection of further components Connector N-Connect female	6GK5798-0CN00-0AA0
RCoax Threaded Washer M6 for Cable Clip 1/2"	Threaded washer for RCoax Cable clip 1/2" Pack of 10	6GK5798-8MC00-0AC1
RCoax Threaded Washer M6 for Cable Clip 1/2"	Threaded washer for RCoax Cable clip 1/2" Pack of 100	6GK5798-8MC00-0AM1
RCoax Spacer 85 mm for Cable Clip 1/2"	RCoax spacer 85 mm Spacer for RCoax Cable clip 1/2" Pack of 10	6GK5798-8MD00-0AC1
RCoax Spacer 85 mm for Cable Clip 1/2"	RCoax spacer 85 mm Spacer for RCoax Cable clip 1/2" Pack of 100	6GK5798-8MD00-0AM1
RCoax N-Connect Stripping Tool	Stripping tool for fast stripping of the RCoax cable in the field	6GK1901-1PH00
RCoax Cable Clip 1/2"	RCoax cable clip 1/2" Cable holder for RCoax cable Pack of 10	6GK5798-8MB00-0AC1
RCoax Cable Clip 1/2"	RCoax cable clip 1/2" Cable holder for RCoax cable Pack of 100	6GK5798-8MB00-0AM1

Note

Technical specifications

You can find technical information on the RCoax accessories in the RCoax system manual

(<https://support.industry.siemens.com/cs/de/en/view/109480869>).

You can find information about accessories for cabling in the Passive network components IWLAN system manual

(<https://support.industry.siemens.com/cs/de/en/view/84922825>).

2.4 Active components

Note

Access points and clients

You can find the most important features of different SCALANCE W products in the "Ordering overview Industrial Wireless LAN Access Points and Client Modules" document.

This document can be found under the following entry ID:

- 109766333 (<https://support.industry.siemens.com/cs/ww/de/view/109766333/en>)

You can find detailed information on individual SCALANCE W devices in the operating instructions for the relevant device.

Observe the current country-specific approvals when using the RCoax antenna in connection with a SCALANCE W device. You can find additional information under Wireless approvals (<https://www.siemens.com/wireless-approvals>).

3 Mounting

You can find a detailed description of installation in the RCoax system manual, section "Installation"

(<https://support.industry.siemens.com/cs/de/en/view/109480869>).

Note

No preferred alignment necessary

In contrast to the RCoax cables described in the RCoax system manual, the RCoax Basic 5 GHz has no rib in the jacket and can be aligned to the suspended monorail and the antenna as desired.

4 Connecting

You can find a detailed description of connection in the RCoax system manual, section "Connecting" (<https://support.industry.siemens.com/cs/de/en/view/109480869>).

5 Designing and calculating RCoax systems

For information on system calculation, refer to the RCoax system manual, section "Designing and calculating RCoax systems" (<https://support.industry.siemens.com/cs/de/en/view/109480869>).

Note

Restriction on segment lengths

The RCoax Basic 5 GHz cable can only be used for segment lengths of max. 50 m.

6 Technical specifications

The following technical specifications apply to the cable RCoax Basic 5 GHz.

Technical specifications		
Electrical data		
Impedance		50 +/- 3 Ω
Recommended frequency bands		5.15 ... 5.35 GHz 5.47 ... 5.85 GHz
Ratio of propagation speed		88%
Capacitance		76 pF/m
DC resistance at 20 °C	Inner conductor	1.48 Ω /km
	Outer conductor	5.8 Ω /km
Permitted ambient conditions		
Ambient temperature	During operation	-40 ... +85 °C
	During storage	-70 ... +85 °C
	During installation	-25 ... +60 °C
Product property	Resistant to UV radiation	Yes Jacket material tested according to UL1581 §1200
Resistance to fire		
Low corrosive gas emission		IEC 60754-2
Flame retardant		IEC 60332-1
Design, dimensions and weight		
Weight		0.196 kg/m
Minimum bending radius (once)		20 cm
Tensile load, maximum		110 daN (1daN = 10 N)
Recommended securing intervals		0.5 m
Recommended distance to the wall		0.08 ... 0.18 m
Materials	Inner conductor	- Copper-clad aluminum - Diameter: 4.8 mm
	Dielectric	- Polyethylene foam - Diameter: 12.4 mm
	Outer conductor	Copper foil with end-to-end slit, adhered to the cable jacket

Technical specifications								
	Cable jacket	- Flame-retardant polyolefin, black - Diameter: 15.5 mm						
Attenuation properties – 5 GHz ¹⁾								
Longitudinal attenuation ²⁾ at 20 °C	f [MHz]	5150	5200	5350	5470	5500	5700	5825
	α [dB/100 m]	28.67	28.89	29.52	30.03	30.16	31.00	31.53
Coupling loss ³⁾ measured at 20 °C with 2 m distance between antenna and RCoax cable	f [MHz]	5150	5200	5350	5470	5500	5700	5825
	α [dB]	C ₅₀	C ₅₀	C ₅₀	C ₅₀	C ₅₀	C ₅₀	C ₅₀
		69	69	70	68	68	68	70
1) Measured in tunnel according to IEC 61196-4 (Ground Level Method) with a distance of 2 meters between antenna and RCoax cable. The C ₅₀ value represents an average coupling loss with a probability of 50% that was calculated in accordance with the standard.								
2) Nominal value, manufacturing tolerance +/- 5%								
3) Nominal value, manufacturing tolerance +/- 5 dB								
Note								
The following tightening torques apply to the connectors:								
- with N-Connect connectors: 1.7 Nm - with SMA/R-SMA connectors: 1 Nm								

Trademarks

All names identified by ® are registered trademarks of Siemens AG. The remaining trademarks in this publication may be trademarks whose use by third parties for their own purposes could violate the rights of the owner.

Disclaimer of Liability

We have reviewed the contents of this publication to ensure consistency with the hardware and software described. Since variance cannot be precluded entirely, we cannot guarantee full consistency. However, the information in this publication is reviewed regularly and any necessary corrections are included in subsequent editions.

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RCoax Basic 5 GHz
C79000-G8900-C700, 06/2023

SIEMENS

SIMATIC NET

工业无线 LAN

RCoax Basic 5 GHz

精简版操作说明

法律资讯

警告提示系统

为了您的人身安全以及避免财产损失，必须注意本手册中的提示。人身安全的提示用一个警告三角表示，仅与财产损失有关的提示不带警告三角。警告提示根据危险等级由高到低如下表示。

 危险
表示如果不采取相应的小心措施，将会导致死亡或者严重的人身伤害。
 警告
表示如果不采取相应的小心措施，可能导致死亡或者严重的人身伤害。
 小心
表示如果不采取相应的小心措施，可能导致轻微的人身伤害。
注意
表示如果不采取相应的小心措施，可能导致财产损失。

当出现多个危险等级的情况下，每次总是使用最高等级的警告提示。如果在某个警告提示中带有警告可能导致人身伤害的警告三角，则可能在该警告提示中另外还附带有可能导致财产损失的警告。

合格的专业人员

本文件所属的产品/系统只允许由符合各项工作要求的合格人员进行操作。其操作必须遵照各自附带的文件说明，特别是其中的安全及警告提示。由于具备相关培训及经验，合格人员可以察觉本产品/系统的风险，并避免可能的危险。

按规定使用 Siemens 产品

请注意下列说明：

 警告
Siemens 产品只允许用于目录和相关技术文件中规定的使用情况。如果要使用其他公司的产品和组件，必须得到 Siemens 推荐和允许。正确的运输、储存、组装、装配、安装、调试、操作和维护是产品安全、正常运行的前提。必须保证允许的环境条件。必须注意相关文件中的提示。

1 简介

1.1 有效范围

本操作说明适用于 5GHz 基本型 RCoax 电缆。

产品	订货号
RCoax Basic 5GHz	6XV1875-1D

1.2 认证

使用符合 DIN ISO 9001（证书注册编号 2613）的质量管理体系来生产和销售此文档中列出的产品和系统，并由 DQS 认证。DQS 证书在所有 IQNet 国家/地区都得到认可（注册编号：2613）。

1.3 补充文档

Internet 上的文档

可访问 Internet 网址 (<https://support.industry.siemens.com/cs/cn/zh/ps/15891/man>) 获取文档的最新版本。

在搜索栏中输入产品的名称或订货号。

更多文档

有关 IWLAN 产品的详细信息，请参见以下文档：

- RCoax
- 《工业以太网/PROFINET 工业以太网》
- 《工业以太网/PROFINET 无源网络组件》
- 《IWLAN 无源网络组件》

RCoax 系统手册解释了基本技术方面的情况，还介绍了各个 RCoax 组件及其工作模式。还介绍了 RCoax 组件的安装/调试和连接及其工作原理。同时也介绍了各种 SIMATIC NET 组件的可能应用。

可在西门子工业在线支持 Internet 页面中的以下条目 ID 下找到 RCoax 系统手册：

- 109480869 (<https://support.industry.siemens.com/cs/de/en/view/109480869>)
SIMATIC NET：工业无线 LAN RCoax

在系统手册《工业以太网/PROFINET 工业以太网》和《工业以太网/PROFINET 无源网络组件》中，可以找到有关可在工业以太网网络中与该产品系列的设备一起使用的其它 SIMATIC NET 产品的信息。

其中还包含安装所需的通信伙伴的光学性能数据。

系统手册可在以下位置找到：

- Siemens 工业在线支持的 Internet 页面中的以下条目 ID：
 - 27069465 (<https://support.industry.siemens.com/cs/de/en/view/27069465>)
《工业以太网/PROFINET 工业以太网》系统手册
 - 84922825 (<https://support.industry.siemens.com/cs/de/en/view/84922825>)
《工业以太网/PROFINET - 无源网络组件》系统手册

《IWLAN 无源网络组件》此手册介绍了 IWLAN 应用所需的全套 IWLAN 布线。

可在西门子工业在线支持 Internet 页面中通过以下链接找到《IWLAN 无源网络组件》系统手册：

- 109480868 (<https://support.industry.siemens.com/cs/ww/en/view/109480868>)
《IWLAN 无源网络组件》

1.4 安全性信息

Siemens 为其产品及解决方案提供了工业信息安全功能，以支持工厂、系统、机器和网络的安全运行。

为了防止工厂、系统、机器和网络受到网络攻击，需要实施并持续维护先进且全面的工业信息安全保护机制。Siemens 的产品和解决方案构成此类概念的其中一个要素。

客户负责防止其工厂、系统、机器和网络受到未经授权的访问。只有在有必要连接时并仅在采取适当安全措施（例如，防火墙和/或网络分段）的情况下，才能将该等系统、机器和组件连接到企业网络或 Internet。

关于可采取的工业信息安全措施的更多信息，请访问 <https://www.siemens.com/industrialsecurity> (<https://www.siemens.com/industrialsecurity>)

Siemens 不断对产品和解决方案进行开发和完善以提高安全性。Siemens 强烈建议您及时更新产品并始终使用最新产品版本。如果使用的产品版本不再受支持，或者未能应用最新的更新程序，客户遭受网络攻击的风险会增加。

要及时了解有关产品更新的信息，请订阅 Siemens 工业信息安全 RSS 源，网址为 <https://www.siemens.com/cert> (<https://www.siemens.com/cert>)

1.5 回收和处置



该产品的污染物含量低，可以回收利用并且符合 WEEE 指令 2012/19/EU 对电子电气设备的处置要求。
请勿将产品丢弃在公共场所。

为了使旧设备的回收和处置更符合环境要求，请联系一家经认证的电子废料处理公司或联系西门子的联系人（产品回收 (<https://support.industry.siemens.com/cs/ww/zh/view/109479891>)）。

请注意不同国家的法规。

1.6 SIMATIC NET 词汇表

SIMATIC NET 词汇表描述了本文档中可能使用的术语。

要获取完整的 SIMATIC NET 词汇表，请访问西门子工业在线支持，网址为：

50305045 (<https://support.industry.siemens.com/cs/cn/zh/view/50305045/en>)

1.7 Marken

商标

下文的一些名称以及可能的其它名称不带注册商标符号®，它们均为 Siemens AG 的注册商标：

SCALANCE, C-PLUG, RCoax

2 产品总览

2.1 RCoax 电缆

由于线路导线中留有开口，IWLAN RCoax 电缆具有天线功能，并可用于以下频段：

产品		订货号
2,4 GHz	RCoax	6XV1875-2A
5 GHz	RCoax	6XV1875-2D
	RCoax Basic 5 GHz	6XV1875-1D

说明

技术规范

有关 5GHz 基本型 RCoax 电缆的技术信息，请参见“技术规范 (页 11)”部分。

有关 1/2" 2.4 GHz 和 5 GHz RCoax 电缆的详细信息，请参见《RCoax 系统手册

(<https://support.industry.siemens.com/cs/de/en/view/109480869>)》。

2.2 RCoax 天线

产品	说明	订货号
ANT792-4DN 天线, RCoax	Rcoax 螺旋天线, 圆极化, 适用于 2.4 GHz 的 Rcoax 系统	6GK5792-4DN00-0AA6
ANT793-4MN 天线, RCoax	Rcoax λ5/8 天线, 垂直极化, 适用于 5 GHz 的 Rcoax 系统	6GK5793-4MN00-0AA6

说明

技术规范

有关 RCoax 产品的技术性信息，请参见《RCoax 系统手册

(<https://support.industry.siemens.com/cs/de/en/view/109480869>)》。

2.3 RCoax 附件

列出的产品适合与 2.4 GHz 和 5 GHz RCoax 电缆配合使用：

产品	说明	订货号
RCoax N-Connect 母头连接器 N-Connector 现场组装件	RCoax 电缆的连接件, 用于连接其他组件 N-Connect 母头连接器	6GK5798-0CN00-0AA0
用于 1/2" 电缆夹的 RCoax M6 螺纹垫圈	用于 1/2" RCoax 电缆夹的螺纹垫圈 每包 10 个	6GK5798-8MC00-0AC1
用于 1/2" 电缆夹的 RCoax M6 螺纹垫圈	用于 1/2" RCoax 电缆夹的螺纹垫圈 每包 100 个	6GK5798-8MC00-0AM1
用于 1/2" 电缆夹的 85 mm RCoax 垫片	85 mm RCoax 垫片 用于 1/2" RCoax 电缆夹的垫片 每包 10 个	6GK5798-8MD00-0AC1

产品	说明	订货号
用于 1/2" 电缆夹的 85 mm RCoax 垫片	85 mm RCoax 垫片 用于 1/2" RCoax 电缆夹的垫片 每包 100 个	6GK5798-8MD00-0AM1
RCoax N-Connect 剥线工具	用于在现场对 RCoax 电缆进行快速剥线的剥线工具	6GK1901-1PH00
1/2" RCoax 电缆夹	1/2" RCoax 电缆夹 用于 RCoax 电缆的电缆支架 每包 10 个	6GK5798-8MB00-0AC1
1/2" RCoax 电缆夹	1/2" RCoax 电缆夹 用于 RCoax 电缆的电缆支架 每包 100 个	6GK5798-8MB00-0AM1

说明

技术规范

有关 RCoax 附件的技术性信息，请参见《RCoax 系统手册
(<https://support.industry.siemens.com/cs/de/en/view/109480869>)》。

有关布线附件的信息，请参见《IWLAN 无源网络组件系统手册
(<https://support.industry.siemens.com/cs/de/en/view/84922825>)》。

2.4 有源组件

说明

接入点和客户端

有关不同 SCALANCE W 产品的最重要功能，请参见《工业无线 LAN 接入点和客户端模块订购概述》文档。

本文档位于以下链接：

- 109766333 (<https://support.industry.siemens.com/cs/ww/de/view/109766333/en>)

有关各个 SCALANCE W 设备的详细信息，请参见相关设备的操作说明。

将 RCoax 天线与 SCALANCE W 设备结合使用时，请遵守当前国家/地区特定的认证。有关更多信息，请参见无线认证
(<https://www.siemens.com/wireless-approvals>)。

3 安装

有关安装的详细说明，请参见《RCoax 系统手册》的“安装”部分
(<https://support.industry.siemens.com/cs/de/en/view/109480869>)。

说明

无推荐布置朝向要求

5 GHz 基本型 RCoax 与《RCoax 系统手册》中介绍的 RCoax 电缆不同，其护套表面无突起的标记线，可根据天线与轨道的位置铺设。

4 连接

有关连接的详细说明，请参见《RCoax 系统手册》，“连接”部分
(<https://support.industry.siemens.com/cs/de/en/view/109480869>)。

5 设计和计算 RCoax 系统

有关系统计算的说明，请参见《RCoax 系统手册》的“设计和计算 RCoax 系统”部分
(<https://support.industry.siemens.com/cs/de/en/view/109480869>)。

说明

有关区段长度的限值

5 GHz 基本型 RCoax 电缆仅可用于长度最大 50 m 的区段。

6 技术规范

以下技术规范适用于 5GHz 基本型 RCoax 电缆。

技术规范		
电气数据		
阻抗		50 +/- 3 Ω
建议频段		5.15 ... 5.35 GHz
		5.47 ... 5.85 GHz
相对速度		88%
电容		76 pF/m
20 °C 下的直流电阻	内部导体	1.48 Ω/km
	外部导体	5.8 Ω/km
允许的环境条件		
环境温度	运行期间	-40 ... +85 °C
	存储期间	-70 ... +85 °C
	安装过程中	-25 ... +60 °C
产品特性	耐 UV 辐射	是 护套材料经测试符合 UL1581 §1200 标准
防火		
低腐蚀性气体排放		IEC 60754-2
阻燃		IEC 60332-1
设计、尺寸和重量		
重量		0.196 kg/m
最小弯曲半径（一次）		20 cm
抗拉强度		110 daN (1daN = 10 N)
建议固定间隔		0.5 m
建议与墙壁间隔的距离		0.08 ... 0.18 m
材料	内部导体	- 铜包铝 - 直径：4.8 mm
	绝缘材料	- 聚乙烯泡沫 - 直径：12.4 mm
	外部导体	带端到端切口的铜箔，贴附在电缆护套上
	电缆护套	- 耐火聚烯烃，黑色 - 直径：15.5 mm

技术规范								
衰减特性 – 5 GHz ¹⁾								
20 °C 下的纵向衰减 ²⁾	f [MHz]	5150	5200	5350	5470	5500	5700	5825
	α [dB/100 m]	28.67	28.89	29.52	30.03	30.16	31.00	31.53
20 °C 下在天线与 RCoax 电缆距离 2 m 时测得的耦合损耗 ³⁾	f [MHz]	5150	5200	5350	5470	5500	5700	5825
	α [dB]	C ₅₀	C ₅₀	C ₅₀	C ₅₀	C ₅₀	C ₅₀	C ₅₀
		69	69	70	68	68	68	70

1) 按照 IEC 61196-4 (Ground Level Method) 要求，在天线与 RCoax 电缆距离 2 m 时在通道中测得。C₅₀ 值表示按照标准计算的概率为 50% 的平均耦合损耗。

2) 标称值，公差 +/- 5%

3) 标称值，公差 +/- 5 dB

说明

下面给出了各种连接器的适用拧紧扭矩：

- N-Connect 连接器：1.7 Nm
- SMA/R-SMA 连接器：1 Nm

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RCoax Basic 5 GHz
 C79000-G8900-C700, 06/2023