



# 15-Series Ruggedized Cable Assemblies

Excellent phase stability for reliable, repeatable measurements

**15-A**

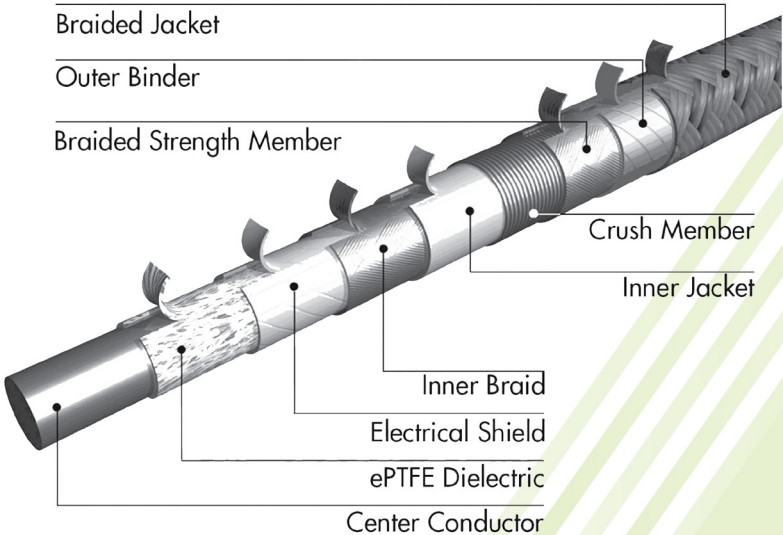
DC to 26.5 GHz

**15-B**

DC to 18.0 GHz

**15-C**

DC to 6.0 GHz



## Introduction

Anritsu's internally ruggedized microwave cable assemblies combine excellent phase and amplitude stability with an integrated environmental protection system for reliable, repeatable measurements over a long service life. Designed for field service, the Anritsu 15-series cable assemblies have exceptional durability while remaining lightweight and flexible, and they combine the electrical advantages of expanded PTFE dielectric with an integrated environmental protection system. Anritsu 15-series cable assemblies are the cost-effective solution to various general-purpose test applications. The assemblies compliment the performance of your Anritsu test and measurement system by guaranteeing that performance will not degrade due to inferior cable assemblies.

## Flexible and Stable

Anritsu 15-series cable assemblies are highly flexible, yet do not suffer from the typical performance degradation associated with flexing semi-rigid and traditionally designed flexible assemblies. The internally ruggedized design allows for a 2.5 in (6.4 cm) minimum bend radius without affecting cable performance. Springback is virtually zero. Phase and amplitude stability, essential for accurate measurements, is preserved. The performance of Anritsu 15-series cable assemblies allows you to make accurate and repeatable measurements while reducing the time required to perform calibrations between measurements.

## Features and Benefits

- Off-the-Shelf Standard Assemblies: Minimize Down Time
- Phase and Amplitude Stable with Flexure: Longer Calibration Intervals, Greater Precision and Accuracy
- Flexible: User Friendly/Easy to Route
- Internally Ruggedized: Crush, Torque and Kink Resistant/Longer Life
- Fluid Resistant, Crush Resistant, and Dust/Dirt Proof: Survives Rough Handling and Outdoor Use

## Specifications

Anritsu Cable Part Number	Frequency (GHz)	Connector "A"	Connector "B"	Length (meters)	Return Loss Match (dB)	Insertion Loss Full Cable (dB @ Max Freq)	Impedance (ohms)
15NNS50-1.5C	6.0	Precision N-male	Precision N-male	1.5	18	2	50
15NNS50-3.0C	6.0	Precision N-male	Precision N-male	3.0	18	3.7	50
15NNS50-5.0C	6.0	Precision N-male	Precision N-male	5.0	18	6	50
15NNF50-1.5C	6.0	Precision N-male	Precision N-female	1.5	18	2	50
15NNF50-3.0C	6.0	Precision N-male	Precision N-female	3.0	18	3.7	50
15NNF50-5.0C	6.0	Precision N-male	Precision N-female	5.0	18	6	50
15ND50-1.5C	6.0	Precision N-male	7/16-male	1.5	18	2	50
15NDF50-1.5C	6.0	Precision N-male	7/16-female	1.5	18	2	50
15NNF50-1.0B	18.0	Precision N-male	Precision N-female	1.0	17	2.7	50
15NNF50-1.5B	18.0	Precision N-male	Precision N-female	1.5	17	3.7	50
15NNS50-1.0B	18.0	Precision N-male	Precision N-male	1.0	17	2.7	50
15LLF50-1.0A	26.5	3.5 mm-male	3.5 mm-female	1.0	15	3.8	50
15LL50-1.0A	26.5	3.5 mm-male	3.5 mm-male	1.0	15	3.8	50
15KKF50-1.5A	26.5	K-male	K-female	1.5	15	5.1	50
15KK50-1.0A	26.5	K-male	K-male	1.0	15	3.8	50
15KKF50-1.0A	26.5	K-male	K-female	1.0	15	3.8	50
15RKKF50-1.5A	26.5	Ruggedized K-male	K-female	1.5	15	5.1	50
15N43M50-1.5C	6.0	Precision N-male	4.3-10-male	1.5	18	2.0	50
15N43F50-1.5C	6.0	Precision N-male	4.3-10-female	1.5	18	2.0	50
15N43M50-3.0C	6.0	Precision N-male	4.3-10-male	3.0	18	3.7	50
15N43F50-3.0C	6.0	Precision N-male	4.3-10-female	3.0	18	3.7	50

**Notes**

## Training at Anritsu

Anritsu has designed courses to help you stay up to date with technologies important to your job. For available training courses, visit: [www.anritsu.com/training](http://www.anritsu.com/training)



### • United States

**Anritsu Americas Sales Company**  
450 Century Parkway, Suite 190,  
Allen, TX 75013, U.S.A.  
Phone: +1-800-Anritsu (1-800-267-4878)

### • Canada

**Anritsu Electronics Ltd.**  
700 Silver Seven Road, Suite 120,  
Kanata, Ontario K2V 1C3, Canada  
Phone: +1-613-591-2003  
Fax: +1-613-591-1006

### • Brazil

**Anritsu Elettronica Ltda.**  
Praça Amadeu Amaral, 27 - 1 Andar  
01327-010 - Bela Vista - Sao Paulo - SP, Brazil  
Phone: +55-11-3283-2511  
Fax: +55-11-3288-6940

### • Mexico

**Anritsu Company, S.A. de C.V.**  
Blvd Miguel de Cervantes Saavedra #169 Piso 1,  
Col. Granada, Mexico, Ciudad de Mexico,  
11520, MEXICO  
Phone: +52-55-4169-7104

### • United Kingdom

**Anritsu EMEA Ltd.**  
200 Capability Green,  
Luton, Bedfordshire, LU1 3LU, U.K.  
Phone: +44-1582-433200  
Fax: +44-1582-731303

### • France

**Anritsu S.A.**  
12 avenue du Québec, Immeuble Goyave,  
91140 VILLEBON SUR YVETTE, France  
Phone: +33-1-60-92-15-50

### • Germany

**Anritsu GmbH**  
Nemetschek Haus, Konrad-Zuse-Platz 1,  
81829 München, Germany  
Phone: +49-89-442308-0  
Fax: +49-89-442308-55

### • Italy

**Anritsu S.r.l.**  
Spaces Eur Arte, Viale dell'Arte 25, 00144 Roma, Italy  
Phone: +39-6-509-9711

### • Sweden

**Anritsu AB**  
Kistagången 20 B, 2 tr, 164 40 Kista, Sweden  
Phone: +46-8-534-707-00

### • Finland

**Anritsu AB**  
Technopolis Aviapolis, Teknobulevardi 3-5 (D208.5.),  
FI-01530 Vantaa, Finland  
Phone: +358-20-741-8100

### • Denmark

**Anritsu A/S**  
c/o Regus Winghouse, Ørestads Boulevard 73, 4th floor,  
2300 Copenhagen S, Denmark  
Phone: +45-7211-2200

### • Russia

**Anritsu EMEA Ltd.**  
**Representation Office in Russia**  
Tverskaya str. 16/2, bld. 1, 7th floor,  
Moscow 125009, Russia  
Phone: +7-495-363-1694  
Fax: +7-495-935-8962

### • Spain

**Anritsu EMEA Ltd.**  
**Representation Office in Spain**  
Paseo de la Castellana, 141.  
Planta 5, Edificio Cuzco IV  
28046, Madrid, Spain  
Phone: +34-91-572-6761

### • Austria

**Anritsu EMEA GmbH**  
Am Belvedere 10, A-1100 Vienna, Austria  
Phone: +43-(0)1-717-28-710

### • United Arab Emirates

**Anritsu EMEA Ltd.**  
**Anritsu A/S**  
Office No. 164, Building 17, Dubai Internet City  
P. O. Box - 501901, Dubai, United Arab Emirates  
Phone: +971-4-3758479

### • India

**Anritsu India Private Limited**  
6th Floor, Indiqube ETA, No.38/4, Adjacent to EMC2,  
Doddanekundi, Outer Ring Road,  
Bengaluru - 560048, India  
Phone: +91-80-6728-1300  
Fax: +91-80-6728-1301

### • Singapore

**Anritsu Pte. Ltd.**  
11 Chang Charn Road, #04-01, Shriro House  
Singapore 159640  
Phone: +65-6282-2400  
Fax: +65-6282-2533

### • Vietnam

**Anritsu Company Limited**  
16th Floor, Peakview Tower, 36 Hoang Cau Street,  
O Cho Dua Ward, Dong Da District, Hanoi, Vietnam  
Phone: +84-24-3201-2730

### • P.R. China (Shanghai)

**Anritsu (China) Co., Ltd.**  
Room 2701-2705, Tower A, New Caohejing  
International Business Center No. 391 Gui Ping Road  
Shanghai, 200233, P.R. China  
Phone: +86-21-6237-0898  
Fax: +86-21-6237-0899

### • P.R. China (Hong Kong)

**Anritsu Company Ltd.**  
Unit 1006-7, 10/F., Greenfield Tower, Concordia Plaza,  
No. 1 Science Museum Road, Tsim Sha Tsui East,  
Kowloon, Hong Kong, P.R. China  
Phone: +852-2301-4980  
Fax: +852-2301-3545

### • Japan

**Anritsu Corporation**  
8-5, Tamura-cho, Atsugi-shi, Kanagawa, 243-0016 Japan  
Phone: +81-46-296-6509  
Fax: +81-46-225-8352

### • South Korea

**Anritsu Corporation, Ltd.**  
5FL, 235 Pangyoeyeok-ro, Bundang-gu, Seongnam-si,  
Gyeonggi-do 13494, South Korea  
Phone: +82-31-696-7750  
Fax: +82-31-696-7751

### • Australia

**Anritsu Pty. Ltd.**  
Unit 20, 21-35 Ricketts Road,  
Mount Waverley, Victoria 3149, Australia  
Phone: +61-3-9558-8177  
Fax: +61-3-9558-8255

### • Taiwan

**Anritsu Company Inc.**  
7F, No. 316, Sec. 1, NeiHu Rd., Taipei 114, Taiwan  
Phone: +886-2-8751-1816  
Fax: +886-2-8751-1817

List Revision Date: 20210610