



Advanced Test Equipment Corp.

Rentals • Sales • Calibration • Service

www.atecorp.com

(800) 404 - 2832

Technical Data Sheet

Anritsu Advancing beyond

15-Series Ruggedized Cable Assemblies

Excellent phase stability for
reliable, repeatable measurements

15-A

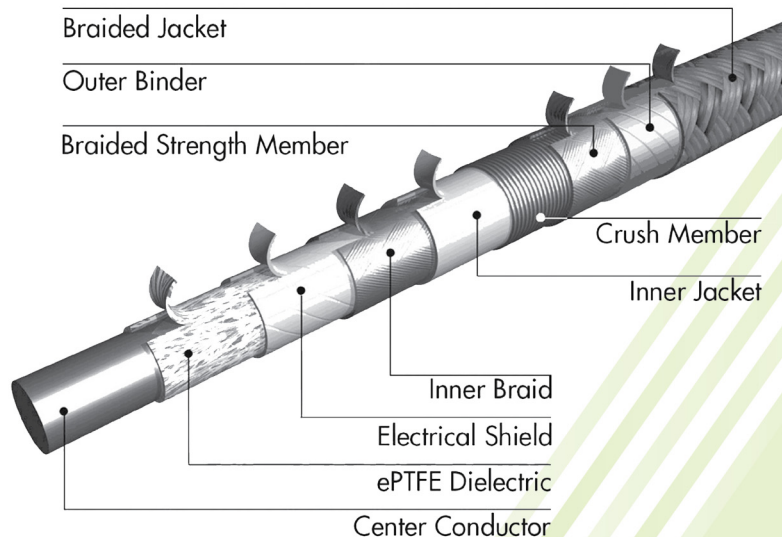
DC to 26.5 GHz

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)
15NN50-1.5C	6.0	Precision N-male	Precision N-male	1.5	18	2	50
15NN50-3.0C	6.0	Precision N-male	Precision N-male	3.0	18	3.7	50
15NN50-5.0C	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
15NN50-1.0B	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



• 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 Eletronica Ltda.
Praça Amadeu Amaral, 27 - 1 Andar
01327-010 - Bela Vista - São 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, Indique 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 Pangyojeok-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