

3670 Armored Semi-rigid Cables

DC to 145 GHz

3670A50-2

3670N50-1

3670N50-2

3670NN50-1

3670NN50-2

DC to 18 GHz

3670K50A-1

3670K50A-2

DC to 43.5 GHz

3670V50A-1

3670V50A-2

DC to 70 GHz

3670W50-1

3670W50-2

DC to 110 GHz

3670.850-1

3670.850-2

DC to 145 GHz



Introduction

Anritsu 3670-series semi-rigid test port cables are laboratory quality and available with options up to 145 GHz. These cables can be shaped as needed while maintaining good insertion loss, return loss and phase stability.

Features

- DC to 145 GHz frequency coverage
- W1 connectors™ are compatible with 1.00 mm connectors
- V connectors™ are compatible with 2.4 and 1.85 mm connectors
- K connectors™ are compatible with SMA, 3.5 and 2.92 mm connectors
- Design is robust and well suited for high frequency system and instrumentation applications
- Good return loss and minimal insertion loss

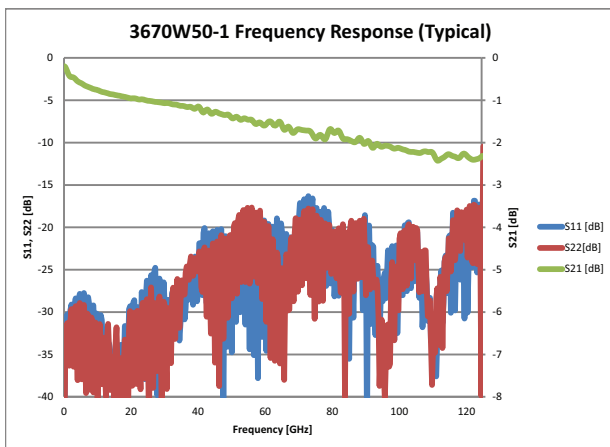
General Specifications

Electrical

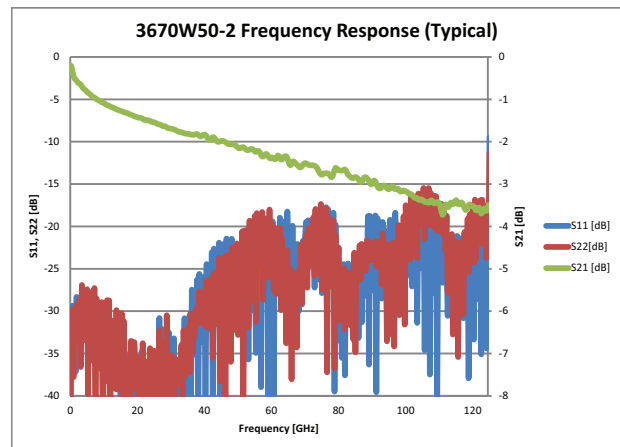
Typical specifications are not tested and are not warranted. They are generally representative of characteristic performance. Warranty: 90 days. All specifications subject to change without notice. For the most current data sheet, please visit the Anritsu web site: www.anritsu.com

Model	Frequency Range (GHz)	RF Connectors	Impedance (Ω)	Return Loss (dB)	Length (cm/ft)
3670A50-2	DC to 18	GPC-7	50	17	60.96/2
3670N50-1	DC to 18	N(m)-N(f)	50	17	30.48/1
3670N50-2					60.96/2
3670NN50-1	DC to 18	N(m)-N(m)	50	17	30.48/1
3670NN50-2					60.96/2
3670K50A-1	DC to 43.5	K(m)-K(f)	50	16	30.48/1
3670K50A-2					60.96/2
3670V50A-1	DC to 70	V(m)-V(f)	50	16	30.78/1
3670V50A-2					60.96/2
3670W50-1	DC to 110	W1(m)-W1(f)	50	18 up to 15 GHz	10.1/0.33
3670W50-2				16 up to 50 GHz 12 up to 110 GHz	16.1/0.52
3670.850-1	DC to 145	0.8(m)-0.8(f)	50	10 ^a	10/0.33
3670.850-2					16/0.52

a. Typical



3670W50-1 Frequency Response (Typical)



3670W50-2 Frequency Response (Typical)

Environmental Tests per MIL-STD-202F

Thermal Shock	-55 °C to +150 °C
Humidity	95% at 40°C, 96 hours, Test 103B, condition B
Shock	100g peak sawtooth, method 213, test condition 1
Vibration	Sinewave: 10 Hz to 2000 Hz, 0.06" DA, method 204, test condition D Random: 50 Hz to 2000 Hz, 11.6 Grams, Power Spectral Density 0.1 Grams 2/Hz, Method 214, Test Condition 1, Letter D
Salt Spray	5% concentration for 48 hours, Method 101D, Condition B
Withstanding Voltage	500 VAC RMS, 60 seconds, method 301

Regulatory Compliance

	RoHS Directive 2011/65/EU
3670W50-1, 3670W50-2	RoHS Directive 2015/863/EU

Ordering Information

3670A50-2	Test Port Cable, Armored, Semi-rigid, GPC-7, 2 ft
3670N50-1	Test Port Cable, Armored, Semi-rigid, N(m)-N(f), 1 ft
3670N50-2	Test Port Cable, Armored, Semi-rigid, N(m)-N(f), 2 ft
3670NN50-1	Test Port Cable, Armored, Semi-rigid, N(m)-N(m), 1 ft
3670NN50-2	Test Port Cable, Armored, Semi-rigid, N(m)-N(m), 2 ft
3670K50A-1	Test Port Cable, Armored, Semi-rigid, K(m)-K(f), 30.48 cm (1 ft), rated to 43.5 GHz
3670K50A-2	Test Port Cable, Armored, Semi-rigid, K(m)-K(f), 61 cm (2 ft), rated to 43.5 GHz
3670V50A-1	Test Port Cable, Armored, Semi-rigid, V(m)-V(f), 30.48 cm (1 ft), rated to 70 GHz
3670V50A-2	Test Port Cable, Armored, Semi-rigid, V(m)-V(f), 61 cm (2 ft), rated to 70 GHz
3670W50-1	Test Port Cable, Armored, Semi-rigid, W1(m)-W1(f), 10 cm
3670W50-2	Test Port Cable, Armored, Semi-rigid, W1(m)-W1(f), 16 cm
3670.850-1	Test Port Cable, Armored, Semi-rigid, 0.8(m)-0.8(f), 10 cm
3670.850-2	Test Port Cable, Armored, Semi-rigid, 0.8(m)-0.8(f), 16 cm

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 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