RG series cable :

The RG series coaxial cable are easy to strip, flexible alternative to standard MIL-spec. Our RG coaxial cable provides the best combination of handling and loss characteristics available in the market today. With RG, we can approach the electrical performance of MIL-spec with a flex life somewhat closer to standard flexible constructions.

A good selection of standard interface connectors (crimp or clamp style) are available, RG cables can be purchased in bulk reels or predominated and tested cable assemblies.

1. Center conductor: Silver coated copper wire
2. Dielectric: FEP
3. Shield : Tin coated copper wire
4. Jacket : FEP

Mechanical Characteristics:

Specification Data		
Inner Conductor	Const.	7/0.102
	Material	SA
	Diameter (mm)	0.305
Dielectric Core	Material	FEP
	Diameter (mm)	0.84
Outer Conductor	Const.	16/3/0.1
	Structure	TA
	Diameter (mm)	1.35
Jacket	Material	FEP
	Thickness (mm)	0.23
Outside Diameter (mm)		1.80 +/- 0.10
Impedance (Ω)		50 +/- 2
Nominal Attenuation (dB / m)	100 MHz	0.53
	1.5 GHz	2.13
	1.9 GHz	2.42
	2.3 GHz	2.69
	3.0 GHz	3.00
	5 GHz	4.11

SA: Silver-Coated Annealed Copper Wire
TA: Tin-Coated Annealed Copper Wire

Coaxial Cable Detailed Specification;
QVL: Nizing Electric Co., Ltd'
for DBA-SSMA-01

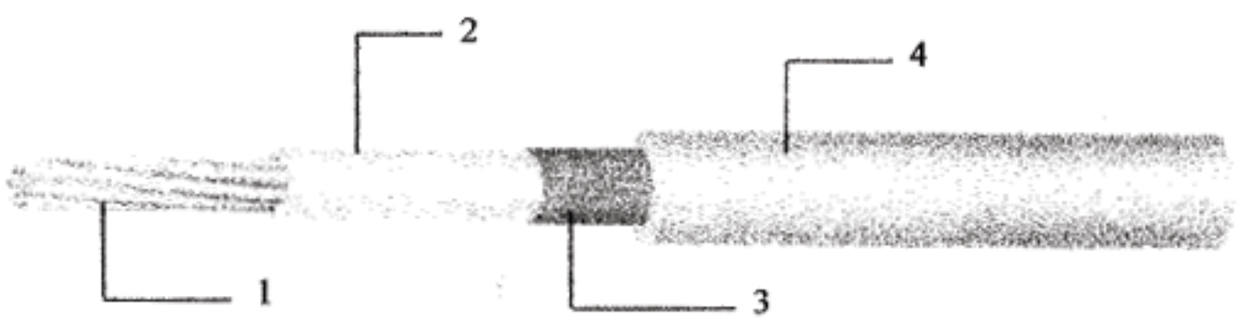
Nizing Electric Co., Ltd.

RG 178 B/U	FEP INSULATED HIGH-FREQUENCY COAXIAL CABLE	PAGE	1 / 2
PRODUCT STANDARD		ISSUED	21. Oct. 2003
		REVISED	

I - Scope

This specification presents a FEP insulated high-frequency coaxial cable AWG 30, 1.8 mm O.D. for internal wiring of electronic equipment, such as Computer / Notebook with wireless communication systems.

II - Construction



Item		Unit	Details
1. Inner Conductor	Material	—	CP-AG
	Composition	No./mm	AWG 30 or 7 × 0.1
	Dia. (approx.)	mm	0.305
2. Dielectric	Material	—	Extruded FEP
	Nom. O.D.	mm	0.84 ± 0.05
	Color	—	Natural
3. Outer Conductor	Material	—	Silver coated copper
	Composition	—	Braided (16 / 3 / 0.1)
	Dia. (approx)	mm	1.29 ± 0.07
4. Jacket	Material	—	Extruded FEP
	Dia.	mm	1.80 ± 0.08
	Color	—	Standard color is Light Orange

Note :	MADE BY	
	APPROVALS	

Nizing Electric Co., Ltd.

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III – Characteristics

Item	Unit	Specified Value	Note
Temperature Rating	℃	-55 ~ +200	
Voltage Lasting	V	1000	
Dielectric strength	—	Dielectric core: No breakdown at AC 3 kv for 0.2 sec.	Spark test
		Jacket: No breakdown at AC 3 kv for 0.2 sec.	Spark test
Characteristic Impedance	Ω	50 ± 2	TDR method
Capacitance	pF / ft	29.4	
Attenuation. (Max.)	dB/100ft	16.0	100.0 MHz
		33.0	400.0 MHz
		52.0	1.0 GHz
		94.0	3.0 GHz
Approx. Weight	g / m	7.68	

Note :	MADE BY	
	APPROVALS	

SGS

Test Report

Report No : CE/2003/A1279
Date : 2003/10/28

The following merchandise was(were) submitted and identified by the client as :

Type of Product	:	RG-178 B/U
Sample Received	:	2003/10/21.
Testing Date	:	2003/10/21 TO 2003/10/28

Test Result : - Please see the next page -

Anren Lee, M.R./ Supervisor
Signed for and on behalf of
SGS TAIWAN LTD.

★Sample to be returned as requested★

SGS

Test Report

Report No : CE/2003/A1279
Date : 2003/10/28

Test Result

PART NAME NO.1 : SEMI-TRANSPARENT ORANGE PLASTIC JACKET
PART NAME NO.2 : SILVER COLOR METAL WIRE(SHIELD CONDUCTOR)
PART NAME NO.3 : TRANSPARENT PLASTIC JACKET
PART NAME NO.4 : SILVER COLOR METAL WIRE(CONDUCTOR)

Test Item(s):	Unit	Method	MDL	Result					Spe
				NO.1	NO.2	NO.3	NO.4		
Chromium VI (Cr+6)	ppm	As per US EPA 7196A and US EPA 3060A.	2	N.D.	N.D.	N.D.	N.D.		---
Cadmium (Cd)	ppm	ICP-AES After As per EN 1122, Method B:2001 or other acid digestion.	2	N.D.	N.D.	N.D.	N.D.		---
Mercury (Hg)	ppm	ICP-AES After As per US EPA 3052 or other acid digestion.	2	N.D.	N.D.	N.D.	N.D.		---
Lead (Pb)	ppm	ICP-AES After As per US EPA 3050B or other acid digestion.	2	N.D.	N.D.	N.D	N.D.		---

NOTE: (1) N.D. = Not detected.(<MDL)
(2) ppm = mg/kg
(3) MDL= Method Detection Limit
(4) " ---" = Not Applicable
(5) *=Results shown are of the adjusted analytical results.
(6) Negative(-) = Undetectable / Positive(+) = Detectable.