

Semi-Rigid Type

RG-401SR

STANDARD MIL-C-17/129

FEATURES Low attenuation and excellent shielding effectiveness
Easy bending, coiling, soldering and connecting
Minimizing reflected power loss due to low SWR

MATERIAL Inner Conductor : solid silver coated copper wire
Insulation : solid PTFE (polytetrafluoroethylene)
Outer shield : copper or tin coated copper tube

CONDITION Operating temperature range : -40°C~90°C
Minimum bending radius : 19mm

APPLICATIONS

- Repeater of Mobile Communication Systems
- In need of good operational performance and total shielding
- High-speed Communication Systems, Computer Systems, Nuclear plants and Medical electronics
- Oscillators and amplifiers, printed circuit boards, delay lines and capacitor sections

DIAMETER

Inner conductor	Insulation	Outer shield
1.63mm	5.31mm	6.35mm

ELECTRICAL DATA

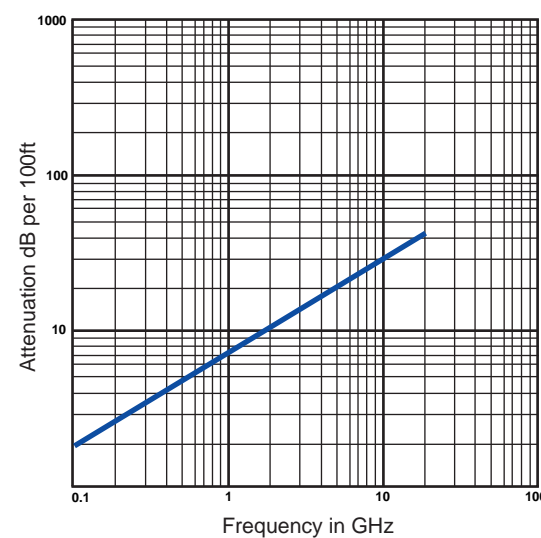
Item	Unit	Specification	Remark
Continuous working voltage	Vrms	Max. 3000	
Operating frequency	GHz	Max. 18	
Conductor resistance	Ω /100ft	Max. 0.257	at 20°C
Insulation resistance	$M\Omega$.km	Min. 1000	at 20°C
Test voltage	Vrms	Nom. 7500	1 min
Velocity of propagation	%	Nom. 69.5	
Capacitance	pF/ft	Nom. 29	
Characteristic impedance	Ω	Nom. 50	

ATTENUATION

Frequency	Unit	Specification
400MHz	dB/100ft	Max. 4.5
1GHz	dB/100ft	Max. 7.5
3GHz	dB/100ft	Max. 11.0
5GHz	dB/100ft	Max. 21.5
10GHz	dB/100ft	Max. 33.0
18GHz	dB/100ft	Max. 48.0

PACKING

Material	Size	Length
Plastic pipe	-	Max. 2m



Double Braid Type

RG-316D

STANDARD MIL-C-17/152-00001

FEATURES Low attenuation at high frequency
Superior shielding effectiveness and lower transfer impedance
Excellent flame retardant and abrasion resistant

MATERIAL Inner Conductor : stranded silver coated copper clad steel wire
Insulation : solid PTFE (polytetrafluoroethylene)
Inner shield : silver coated copper wire braid
Outer shield : silver coated copper wire braid
Sheath : light brown FEP (Fluorinated Ethylene Propylene)

CONDITION Operating temperature range : -55°C~200°C
Minimum bending radius : 15mm

APPLICATIONS

- Batch Terminal Simulator of Mobile Communication Systems
- Communication Network Systems
- Low-Loss HF-UHF Interconnect

DIAMETER

Inner conductor	Insulation	Inner shield	Outer shield	Sheath
7/0.17mm	1.52mm	1.98mm	2.41mm	2.90mm

ELECTRICAL DATA

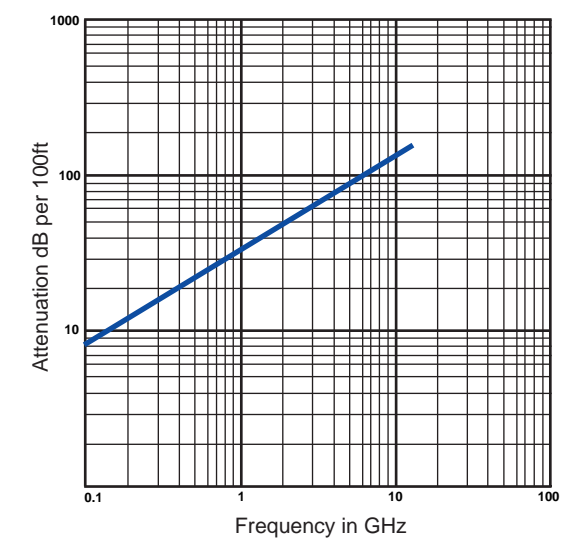
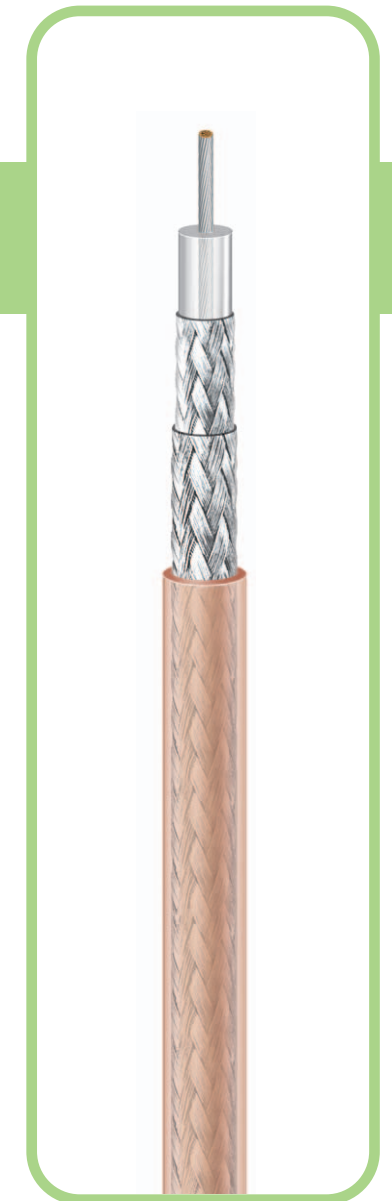
Item	Unit	Specification	Remark
Continuous working voltage	Vrms	Max. 900	
Operating frequency	GHz	Max. 12.4	
Conductor resistance	Ω /100ft	Max. 8.41	at 20°C
Insulation resistance	$M\Omega$.km	Min. 1000	at 20°C
Test voltage	Vrms	Nom. 2000	1 min
Velocity of propagation	%	Nom. 69.5	
Capacitance	pF/ft	Nom. 29	
Characteristic impedance	Ω	Nom. 50	

ATTENUATION

Frequency	Unit	Specification
50MHz	dB/100ft	Max. 7.5
400MHz	dB/100ft	Max. 21.0
1GHz	dB/100ft	Max. 38.0
3GHz	dB/100ft	Max. 58.0
10GHz	dB/100ft	Max. 170.0
12.4GHz	dB/100ft	Max. 200.0

PACKING

Material	Size	Length
Plastic Bobbin	300 ϕ x 130 ϕ x 160mm	500m



Double Braid Type

RG-400/U

STANDARD MIL-C-17/128

FEATURES Low attenuation at high frequency
Superior shielding effectiveness and lower transfer impedance
Excellent flame retardant and abrasion resistant

MATERIAL Inner Conductor : stranded silver coated copper wire
Insulation : solid PTFE (polytetrafluoroethylene)
Inner shield : silver coated copper wire braid
Outer shield : silver coated copper wire braid
Sheath : light brown FEP (Fluorinated Ethylene Propylene)

CONDITION Operating temperature range : -55°C~200°C
Minimum bending radius : 25mm

APPLICATIONS · Antenna cable for Mobile Communication Systems and Wireless LAN
· Mobile Communication System Inner Rack cable.

DIAMETER

Inner conductor	Insulation	Inner shield	Outer shield	Sheath
19/0.20mm	2.95mm	3.53mm	4.09mm	4.95mm

ELECTRICAL DATA

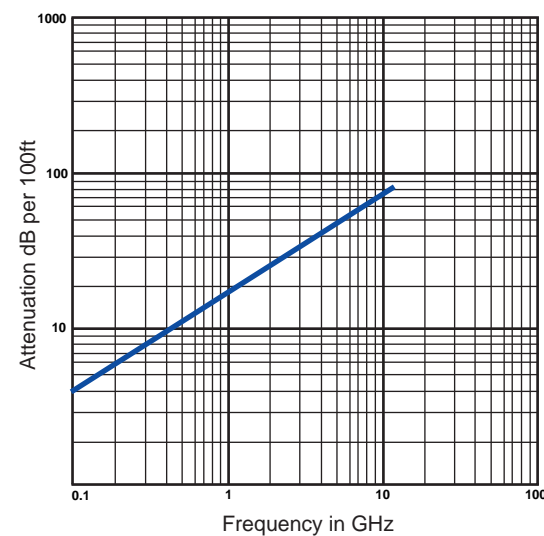
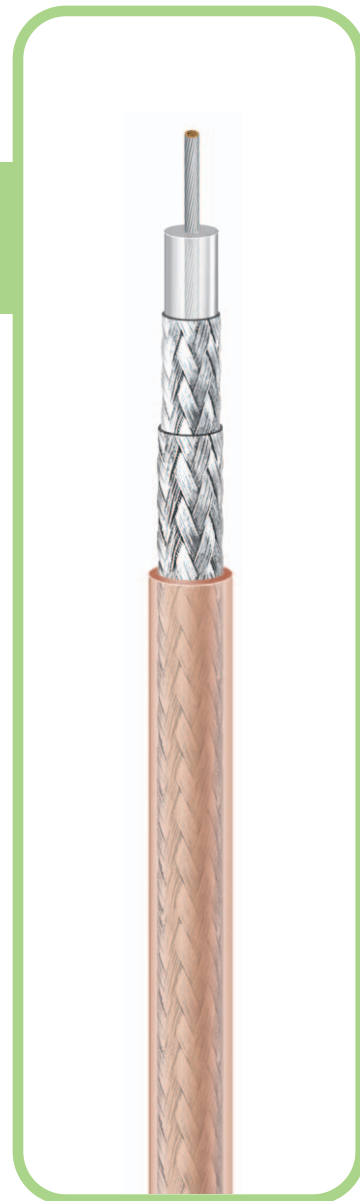
Item	Unit	Specification	Remark
Continuous working voltage	Vrms	Max. 1400	
Operating frequency	GHz	Max. 12.4	
Conductor resistance	Ω/100ft	Max. 0.91	at 20°C
Insulation resistance	MΩ.km	Min. 1000	at 20°C
Test voltage	Vrms	Nom. 3000	1 min
Velocity of propagation	%	Nom. 69.5	
Capacitance	pF/ft	Nom. 29	
Characteristic impedance	Ω	Nom. 50	

ATTENUATION

Frequency	Unit	Specification
50MHz	dB/100ft	Max. 3.2
400MHz	dB/100ft	Max. 10.5
1GHz	dB/100ft	Max. 17.0
3GHz	dB/100ft	Max. 38.0
10GHz	dB/100ft	Max. 78.0
12.4GHz	dB/100ft	Max. 90.0

PACKING

Material	Size	Length
Plastic Bobbin	300 φ x 130 φ x 160mm	200m



Single Braid Type

RG-316S

STANDARD MIL-C-17/113

FEATURES Low attenuation at high frequency
Superior shielding effectiveness and lower transfer impedance
Excellent flame retardant and abrasion resistant

MATERIAL Inner Conductor : stranded silver coated copper clad steel wire
Insulation : solid PTFE (polytetrafluoroethylene)
Shield : silver coated copper wire braid
Sheath : light brown FEP (Fluorinated Ethylene Propylene)

CONDITION Operating temperature range : -55°C~200°C
Minimum bending radius : 13mm

APPLICATIONS · Wireless LAN Pigtail Cable
· Low Passive Intermod
· Tactical field Antenna Feeders

DIAMETER

Inner conductor	Insulation	Shield	Sheath
7/0.17mm	1.52mm	1.98mm	2.49mm

ELECTRICAL DATA

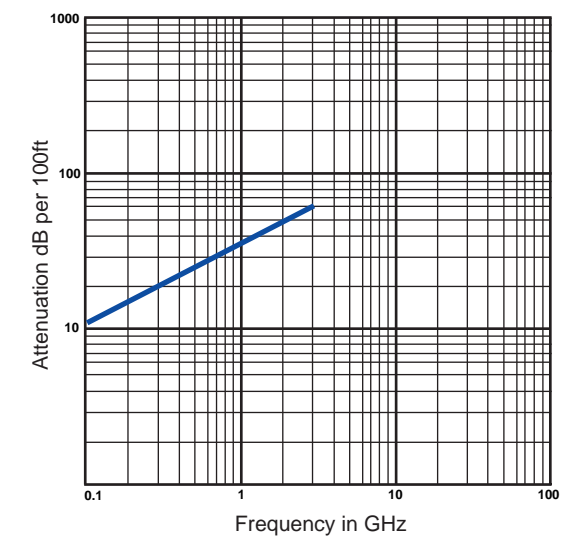
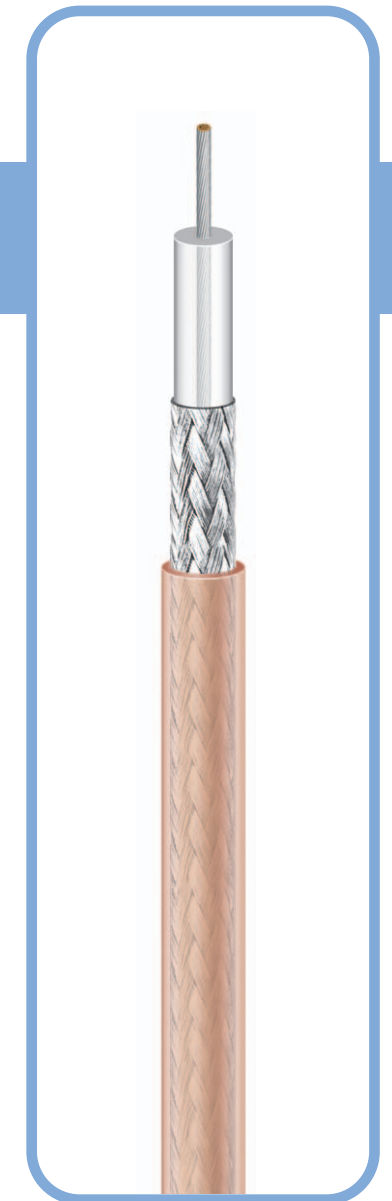
Item	Unit	Specification	Remark
Continuous working voltage	Vrms	Max. 900	
Operating frequency	GHz	Max. 3	
Conductor resistance	Ω/100ft	Max. 8.41	at 20°C
Insulation resistance	MΩ.km	Min. 1000	at 20°C
Test voltage	Vrms	Nom. 2000	1 min
Velocity of propagation	%	Nom. 69.5	
Capacitance	pF/ft	Nom. 29	
Characteristic impedance	Ω	Nom. 50	

ATTENUATION

Frequency	Unit	Specification
50MHz	dB/100ft	Max. 7.5
100MHz	dB/100ft	Max. 11.0
400MHz	dB/100ft	Max. 21.0
1GHz	dB/100ft	Max. 38.0
2GHz	dB/100ft	Max. 50.0
3GHz	dB/100ft	Max. 58.0

PACKING

Material	Size	Length
Plastic Bobbin	300 φ x 130 φ x 160mm	700m



Single Braid Type

RG-178B/U

STANDARD MIL-C-17/93

FEATURES Low attenuation at high frequency
Superior shielding effectiveness and lower transfer impedance
Excellent flame retardant and abrasion resistant

MATERIAL Inner Conductor : stranded silver coated copper clad steel wire
Insulation : solid PTFE (polytetrafluoroethylene)
Shield : silver coated copper wire braid
Sheath : light brown FEP (Fluorinated Ethylene Propylene)

CONDITION Operating temperature range : -55°C~200°C
Minimum bending radius : 10mm

APPLICATIONS · Wireless LAN system interconnect
· Communication Network systems

DIAMETER

Inner conductor	Insulation	Shield	Sheath
7/0.10mm	0.83mm	1.27mm	1.80mm

ELECTRICAL DATA

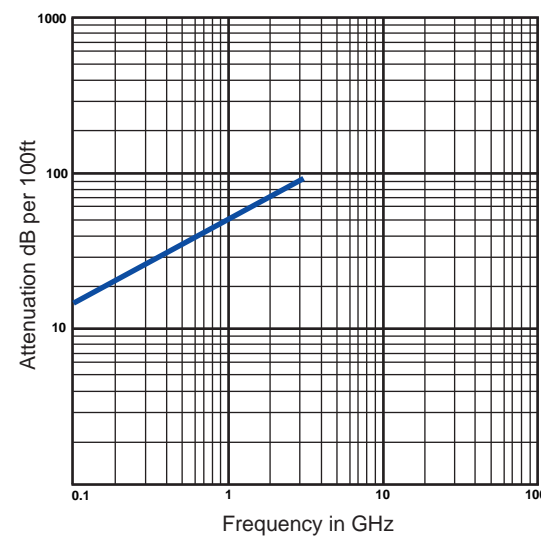
Item	Unit	Specification	Remark
Continuous working voltage	Vrms	Max. 750	
Operating frequency	GHz	Max. 3	
Conductor resistance	Ω/100ft	Max. 24.45	at 20°C
Insulation resistance	MΩ.km	Min. 1000	at 20°C
Test voltage	Vrms	Nom. 2000	1 min
Velocity of propagation	%	Nom. 69.5	
Capacitance	pF/ft	Nom. 29	
Characteristic impedance	Ω	Nom. 50	

ATTENUATION

Frequency	Unit	Specification
50MHz	dB/100ft	Max. 11.5
100MHz	dB/100ft	Max. 16.0
400MHz	dB/100ft	Max. 33.0
1GHz	dB/100ft	Max. 52.0
3GHz	dB/100ft	Max. 94.0

PACKING

Material	Size	Length
Plastic	300 φ x	800m
Bobbin	130 φ x 160mm	



Single Braid Type

RG-179B/U

STANDARD MIL-C-17/94

FEATURES Low attenuation at high frequency
Superior shielding effectiveness and lower transfer impedance
Excellent flame retardant and abrasion resistant

MATERIAL Inner Conductor : stranded silver coated copper clad steel wire
Insulation : solid PTFE (polytetrafluoroethylene)
Shield : silver coated copper wire braid
Sheath : light brown FEP (Fluorinated Ethylene Propylene)

CONDITION Operating temperature range : -55°C~200°C
Minimum bending radius : 13mm

APPLICATIONS · Transmission equipment of the wire system
· CATV and Broadcasting systems
· Communication Network system

DIAMETER

Inner conductor	Insulation	Shield	Sheath
7/0.10mm	1.60mm	2.04mm	2.54mm

ELECTRICAL DATA

Item	Unit	Specification	Remark
Continuous working voltage	Vrms	Max. 900	
Operating frequency	GHz	Max. 3	
Conductor resistance	Ω/100ft	Max. 24.45	at 20°C
Insulation resistance	MΩ.km	Min. 1000	at 20°C
Test voltage	Vrms	Nom. 2000	1 min
Velocity of propagation	%	Nom. 69.5	
Capacitance	pF/ft	Nom. 19	
Characteristic impedance	Ω	Nom. 75	

ATTENUATION

Frequency	Unit	Specification
400MHz	dB/100ft	Max. 21.0

PACKING

Material	Size	Length
Plastic	300 φ x	700m
Bobbin	130 φ x 160mm	

