



*MAXTENA*

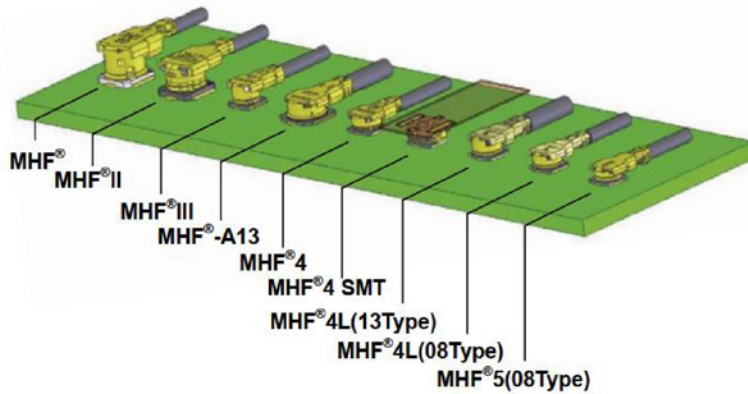
# Cable & Connector Catalog

Cable Type	Application Frequency						
	1000 MHz	1500 MHz	2000 MHz	3000 MHz	4000 MHz	5000 MHz	6000 MHz
SS402	✓	✓	✓	✓	✓	✓	✓
Φ0.81	✓	✓	✓	✓	✓	✓	✓
Φ1.13	✓	✓	✓	✓	✓	✓	✓
Φ1.37	✓	✓	✓	✓	✓	✓	✓
RG316	✓	✓	✗	✗	✗	✗	✗
RG174	✓	✓	✗	✗	✗	✗	✗
H100	✓	✓	✓	✓	✓	✓	✓
RG58	✓	✓	✗	✗	✗	✗	✗
RG58 (low loss)	✓	✓	✓	✓	✓	✗	✗
SNC195	✓	✓	✓	✓	✓	✓	✗
SNC200 (other 200)	✓	✓	✓	✓	✓	✓	✓
SNC400 (other 400)	✓	✓	✓	✓	✓	✓	✓
RG-8U (low loss)	✓	✓	✗	✗	✗	✗	✗

Cable Type	Application Frequency						
	1000 MHz	1500 MHz	2000 MHz	3000 MHz	4000 MHz	5000 MHz	6000 MHz
SS402							
Φ0.81							
Φ1.13							
Φ1.37							
RG316	3M	3M					
RG174	5M	5M					
H100	5M	5M	5M	2M	2M	1M	1M
RG58	5M	5M					
RG58 (low loss)	5M	5M	3M	3M	3M		
SNC195	5M	5M	5M	5M	5M	5M	
SNC200 (other 200)	5M	5M	5M	5M	5M	5M	5M
SNC400 (other 400)	10M	10M	10M	10M	8M	8M	8M
RG-8U (low loss)	10M						

## MHF® Series

## Micro RF coax connector



### Major Application

Wireless LAN Antenna

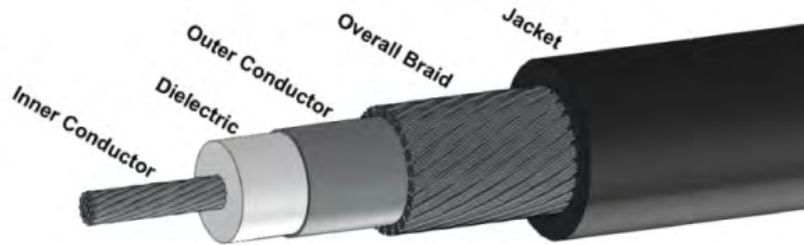
- ▶ Mobile Phone
- ▶ Smart Phone
- ▶ Note Book PC
- ▶ Gaming Device
- ▶ Access Point

Photo	Product Name	Plug Prefix P/N	Rece Prefix P/N	Applicable Cable Gauge									Matting Height Max. (mm)
				AWG 30 Ø1.80	AWG 30 Ø1.37	AWG 32 Ø1.32	AWG 32 Ø1.13	AWG 33 Ø0.95	AWG 36 Ø0.81	AWG 36 Ø0.64	AWG 38 Ø0.48	FPC	
	MHF®	20278-1*2R-**	20279-001E-** 20441-001E-01	●		●	●		●				2.5
	MHF®	20351-1*2R-37	20279-001E-** 20441-0011-01		●								2.5
	MHF® (Ag plating)	20308-1*2R-*	20314-001E-01			●	●						2.5
	MHF® II	20311-011R-**	20279-001E-** 20441-001E-01					●	●	●			2.1
	MHF® II (Ag plating)	20312-011R-n	20314-0011-01					●	●				2.1
	MHF® III	20367-001R	20369-001E						●	●			1.6
	MHF®-A13	20428-001R	20429-001E				●						1.45
	MHF® 4	20448-001R-081	20449-001E-** 20579-001E						●				1.2
	MHF® 4 SMT	20462-001E	20449-001E-** 20579-001E								●		1.2
	MHF® 4L	2056S-001R-13	20449-001E-** 20579-001E				●	●					1.4
	MHF® 4L	20572-001R-08	20449-001E-** 20579-001E						●	●			1.2
	MHF® 5	20567-001R-81 20615-001R-48	20566-0011-01						●	●			1.0

RF Coaxial Connector

## Coaxial Cable LL100

LL100 coaxial cable is low loss communication coax cable presents good results for frequency range up to 5 GHz. Sheath of cable is made from PE material. The cable is suitable for a lot of applications, e.g. GPS, WLAN, WISP (wireless Internet service provider), Mobile Antennas at al.



## Construction Specification

Item	Material	Description	Value
Inner Conductor	Silver-Coated Copper	Construction Diameter	1 x 0.46 mm 0.46 mm
Insulation	Solid Polyethylene	Diameter	1.52±0.05 mm
Outer Conductor	AL foil	Diameter	1.65 mm
Overall Braid	Tinned Copper wire	Construction Diameter Coverage	- 2.11±0.10 mm 90%
Jacket	Polyethylene	Diameter	2.79±0.13 mm

## Electrical Specification

Conductor Resistance	Max. 140 Ω/km/20°C
Insulation Resistance	Min. 1103 MΩ/km
Nominal Capacitance	101.1 pF/m
Dielectric Strength	AC 500 V/min
Nom. Impedance	50±3 Ω
VSWR (0-6 GHz)	≤ 1.60
Nom. Vel. Of Prop.	66 %
Bend Radius	Min. 6.4 mm

## Mechanical Specification

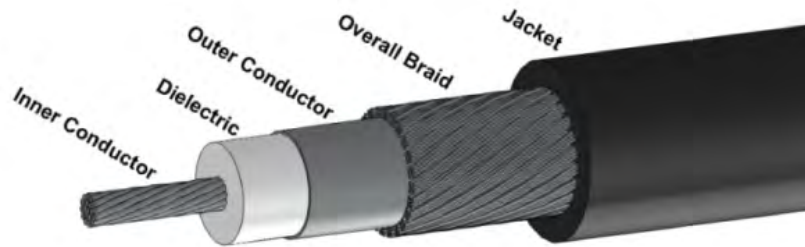
Operating temperature	-40°C to +85°C
Colour	Black

## Attenuation Of Cable

	Frequency					
	100 MHz	500 MHz	1000 MHz	2400 MHz	5000 MHz	6000 MHz
Attenuation	2.5 dB/10 m	5.1 dB/10 m	7.3 dB/10 m	11.9 dB/10 m	17.7 dB/10 m	19.4 dB/10 m

## Coaxial Cable LL195

LL195 coaxial cable is high quality cable presents good results for frequency range up to 5 GHz. Sheath of cable is made from PE material. The cable is suitable for most applications, e.g. GPS, WLAN, WISP (wireless Internet service provider), and Mobile Antennas at al.



## Construction Specification

Item	Material	Description	Value
Inner Conductor	Bare Copper	Construction Diameter	7 x 0.32±0.003 mm 0.94 mm
Insulation	Polyethylene	Diameter	2.79±0.10 mm
Outer Conductor	AL foil	Diameter	2.95 mm
Overall Braid	Tinned annealed Copper wire	Construction Diameter Coverage	16/ 7/ 0.12 mm 3.53 mm 90%
Jacket	Polyethylene	Diameter	4.95±0.15 mm

## Electrical Specification

Conductor Resistance	Max. 24.9 Ω/km/20°C
Insulation Resistance	Min. 1140 MΩ/km
Nominal Capacitance	79.7 pF/m
Dielectric Strength	AC 1000 V/min
Nom. Impedance	50±3 Ω
VSWS (0-6 GHz)	≤ 1.59
Nom. Vel. Of Prop.	80 %
Bend Radius	Min. 12.7mm

## Mechanical Specification

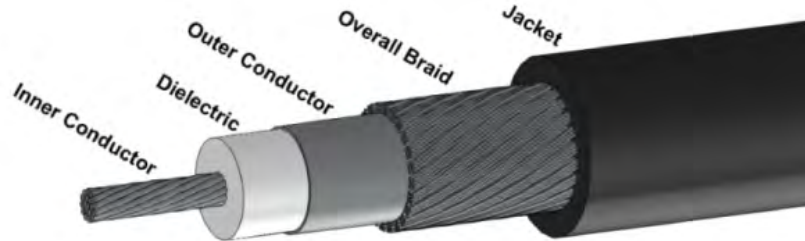
Operating temperature	-40°C to +85°C
Colour	According to Custom

## Attenuation Of Cable

	Frequency					
	100 MHz	500 MHz	1000 MHz	2400 MHz	5000 MHz	6000 MHz
Attenuation	1.2 dB/10 m	2.5 dB/10 m	3.7 dB/10 m	6.1 dB/10 m	9.7 dB/10 m	10.2 dB/10 m

## Coaxial Cable D302

D302 coaxial cable is flexible cable which has a best coupling resistance and presents very good results for frequency range up to 6 GHz. Sheath of cable is made from PVC material. The cable is suitable for antennas made for all special and standards applications, e.g. GPS/Galileo, GSM, DVB, Radio, WLAN, HSPDA, WCDMA, WUSB, WiMAX, Mobile Broadcast, Car to Car communication at al.



## Construction Specification

Item	Material	Description	Value
Inner Conductor	Copper Bare	Construction Diameter	7 x 0.27 mm 0.81 mm
Insulation	Foamed PP	Diameter	2.10±0.10 mm
Outer Conductor	AL foil	Diameter	-
Overall Braid	Tinned Copper wire	Construction Diameter Coverage	16/07/0.10 mm 2.60±0.10 mm 90%
Jacket	PVC	Diameter	3.30±0.20 mm

## Electrical Specification

Conductor Resistance	Max. 48.5 Ω/km/20°C
Insulation Resistance	NA
Nominal Capacitance	90 pF/m
Dielectric Strength	AC 2000 V/min
Nom. Impedance	50±3 Ω
VSWS (0-6 GHz)	≤ 1.46
Nom. Vel. Of Prop.	78 %
Bend Radius	Min. 49.5 mm

## Mechanical Specification

Operating temperature	-40°C to +85°C
Colour	According to Custom

## Attenuation Of Cable

Attenuation	Frequency					
	100 MHz	500 MHz	1000 MHz	2400 MHz	5000 MHz	6000 MHz
	1.6 dB/10 m	3.6 dB/10 m	5.2 dB/10 m	8.6 dB/10 m	13.0 dB/10 m	14.5 dB/10 m

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