Micro-Coax Cable Assemblies

HD-TECH
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HD-TECH offers a full standard range of micro-coax cable assemblies for common connectivity solutions. The focus is on coaxial cables 0.8mm to RG214 in combination with TNC, TNC RP, SMA, SMA RP, FME, MCX, MMCX and BNC coaxial connector or as Pigtails (Single-ended connector) with a desired stripping instruction.

Applications : Navigation, DMB, PDA, Wi-Fi, Notebook PC, GPS, Wireless LAN, Bluetooth, GSM, GPRS & CDMA mobile Phones, Measurement instruments and test systems.

HD-TECH introduces Micro-Coax cable assemblies, designed to handle high-frequency signals up to 7 GHz, which are fully equivalent or exceed Hirose U.FL® and I-PEX MHF-II® series. One of the common usages is the Wi-Fi antenna to a Mini PCI card inside laptops, specially designed to minimize mating space on the circuit boards and mount vertically on RF boards.

Micro-coax cable assemblies examples :

TNC female bulkhead to U.FL-LP-066. Cable dia. 1.32mm

SMA Bulkhead Female to U.FL-LP-068. Cable dia 1.13mm

Quality :

- 100% conductivity tested,
- Frequency analysis reports (insertion loss, working frequency range) available on request,
- 100% Test available on request,
- Working frequency : Standard SMA and RP SMA cables rated at DC to 3 GHz, DC to 6 Ghz with micro-coax cables. If you require a higher frequency range for any cable listed please on HD-TECH cable catalogs contact us.

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HD-TECH's micro-coax connectors available for micro-coax cable assemblies :

Connector Type	GradConn Part Number	End A - Micro Connector P/N	End B - Interface Connector Description	Cable Diameter & Colour	Working Frequency
Hirose H.FL	Cable 062 RF	H.FL-LP	SMA straight Bulkhead Jack (Female with threaded nut)	1.48mm - Black	DC to 3 GHz
Hirose U.FL	Cable 070 RF	U.FL-LP(V)-040	SMA straight Bulkhead Jack (Female with threaded nut)	0.81mm - Grey	DC to 3 GHz
I-Pex MHF II	Cable 069 RF	20311-011R-08	SMA straight Bulkhead Jack (Female with threaded nut)	0.81mm - Grey	DC to 3 GHz
Hirose W.FL	Cable 040 RF	W.FL-LP-040	SMA straight Bulkhead Jack (Female with threaded nut)	0.81mm - Grey	DC to 3 GHz
I-Pex MHF III	Cable 039 RF	20367-001R	SMA straight Bulkhead Jack (Female with threaded nut)	0.81mm - Grey	DC to 3 GHz
	Cable 080 RF	20351-112R	RP SMA straight Bulkhead Jack (with threaded nut)	1.37mm - White	DC to 6 GHz

Connector Type	GradConn Part Number	End A - Micro Connector P/N	End B - Interface Connector Description	Cable Diameter & Colour	Working Frequency
Hirose U.FL	Cable 028 RF	U.FL-LP-068	SMA straight Bulkhead Jack (Female with threaded nut)	1.13mm - Grey	DC to 3 GHz
	Cable 030 RF	U.FL-LP-068	FME straight Bulkhead Plug (Male with threaded nut)	1.13mm - Grey	DC to 3 GHz
	Cable 082 RF	U.FL-LP-068	Hirose UFL: UFL-LP-068	1.13mm - Grey	DC to 6 GHz
	Cable 089 RF	U.FL-LP-068	RP SMA straight Bulkhead Jack (with threaded nut)	1.13mm - Grey	DC to 6 GHz
	Cable 088 RF	U.FL-LP-068	SMA Jack PCB Mount - Cable Type	1.13mm - Grey	DC to 6 GHz
I-Pex MHF	Cable 036 RF	20278-111R-13	SMA straight Bulkhead Jack (Female with threaded nut)	1.13mm - Grey	DC to 3 GHz
	Cable 063 RF	20278-111R-13	SMA straight Bulkhead Jack, with O-Ring	1.13mm - Grey	DC to 6 GHz
	Cable 075 RF	20278-112R-37	SMA straight Bulkhead Jack (Female with threaded nut)	1.37mm - Black	DC to 3 GHz
	Cable 078 RF	20278-112R-13	SMA straight Bulkhead Jack (Female with threaded nut)	1.13mm - Grey	DC to 6 GHz
	Cable 076 RF	20351-112R-37	SMA straight Plug (Male)	RG178 - Brown	DC to 6 GHz
	Cable 087 RF	20278-112R-13	SMA Jack PCB Mount - Cable Type	1.13mm - Grey	DC to 6 GHz
	Cable 041 RF	20278-111R-13	FME straight Bulkhead Plug (Male with threaded nut)	1.13mm - Grey	DC to 3 GHz
	Cable 043 RF	20278-111R-37	FME straight Bulkhead Plug (Male with threaded nut)	1.37mm - Grey	DC to 3 GHz
	Cable 044 RF	20278-111R-13	RP SMA straight Bulkhead Jack (with threaded nut)	1.13mm - Grey	DC to 3 GHz
	Cable 079 RF	20351-112R-37	RP SMA straight Bulkhead Jack, 10mm short version	1.37mm - White	DC to 3 GHz
	Cable 080 RF	20351-112R-37	RP SMA straight Bulkhead Jack (with threaded nut)	1.37mm - White	DC to 6 GHz
	Cable 090 RF	20351-112R-13	RP SMA straight Bulkhead Jack (with threaded nut)	1.13mm - Grey	DC to 6 GHz
	Cable 052 RF	I-Pex MHF	I-Pex MHF	Various Options	DC to 6 GHz
	Cable 067 RF	20278-111R-37	RP TNC straight Bulkhead Jack and O-Ring	1.37mm - Black	DC to 3 GHz
	Cable 068 RF	20278-111R-37	RP TNC straight Bulkhead Jack and O-Ring	RG178 - Brown	DC to 3 GHz

All details are subject to change

Hirose H.FL

Hirose U.FL

Hirose W.FL

I-Pex MHF

I-Pex MHF II

I-Pex MHF III

SMA Jack PCB Mount Cable Type

SMA Straight Bulkhead Jack, O-Ring Optional

SMA Straight Plug

FME Straight Bulkhead Plug

RP TNC Straight Bulkhead Jack

RP SMA Straight Bulkhead Jack, O-Ring Optional

Feel free to contact us for any inquiries about HD-TECH, our products, members and tailor-made services, request for quote, shipping, stock checking, ect... See our complete details on last page.

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Connector Type	GradConn Part Number	End A - Micro Connector P/N	End B - Interface Connector Description	Cable Diameter & Colour	Working Frequency
Murata GSC	Cable 029 RF	MXTK92	SMA straight Bulkhead Jack (Female with threaded nut)	0.81mm - Grey	DC to 3 GHz
	Cable 047 RF	MXTK92	FME straight Bulkhead Plug (Male with threaded nut)	0.81mm - Grey	DC to 3 GHz
	Cable 056 RF	MXTK92	RP SMA straight Bulkhead Jack (with threaded nut)	0.81mm - Grey	DC to 3 GHz
	Cable 085 RF	MXTK92	SMA Jack R/A PCB Mount Cable Type	0.81mm - Grey	DC to 6 GHz
	Cable 094 RF	MXTK92	Murata GSC MXTK92	0.81mm - Grey	DC to 6 GHz
Sunridge	Cable 093 RF	Sunridge MCF	Sunridge MCF	1.13mm - Black	DC to 6 GHz

Connector Type	GradConn Part Number	End A - Micro Connector P/N	End B - Interface Connector Description	Cable Diameter & Colour	Working Frequency
MMCX R/A Plug	Cable 037 RF	MMCX R/A Plug	SMA straight Bulkhead Jack (Female with threaded nut)	RG174 - Black	DC to 3 GHz
	Cable 051 RF	MMCX R/A Plug	SMA straight Bulkhead Jack with O-Ring	RG174 - Black	DC to 3 GHz
	Cable 038 RF	MMCX R/A Plug	FME straight Bulkhead Plug (Male with threaded nut)	RG174 - Black	DC to 3 GHz

Termination Type	GradConn Part Number	End A - Micro Connector P/N	End B - Interface Connector Descrip-tion	Cable Diameter & Colour	Working Frequen-cy
Stripped or Stripped & Tinned	Cable 066 RF	FME Male Bulkhead (plug)	Strip OR Strip and Tin	1.32mm - Grey	n/a
	Cable 084 RF	I-PEX MHF 20278-112R-13	Strip OR Strip and Tin	1.13mm - Black	n/a
	Cable 064 RF	I-PEX MHF 20278-111R-32	Strip OR Strip and Tin	1.32mm - Grey	n/a
	Cable 083 RF	Hirose U.FL-LP-068	Strip OR Strip and Tin	1.13mm - Black	n/a
	Cable 065 RF	SMA straight Bulkhead Jack	Strip OR Strip and Tin	1.32mm - Grey	n/a
	Cable 055 RF	RP SMA straight Bulkhead Jack (with threaded nut)	Strip OR Strip and Tin	RG178 - Brown	n/a
	Cable 086 RF	SMA Jack R/A PCB Mount Cable Type	Strip OR Strip and Tin	1.32mm - Grey	n/a

Connector Type	GradConn Part Number	End A - Micro Connector P/N	End B - Interface Connector Description	Cable Diameter & Colour	Working Frequency
Adaptor Cables	Cable 071 RF	SMA straight Plug	SMA straight Bulkhead Jack (Female with threaded nut)	RG174 - Black	DC to 3 GHz
	Cable 072 RF	SMA straight Plug	FME straight Bulkhead Plug (Male with threaded nut)	RG174 - Black	DC to 3 GHz
	Cable 073 RF	FME straight Jack	SMA straight Bulkhead Jack (Female with threaded nut)	RG174 - Black	DC to 3 GHz

All details are subject to change

Murata GSC/Sunridge

MMCX R/A Plug

FME Straight Bulkhead Plug

FME Straight Jack

SMA Straight Bulkhead Jack, O-Ring Optional

Hirose U.FL

SMA Straight Plug

RP SMA Straight Bulkhead Jack

I-Pex MHF

Stripped Cable

Stripped, Tin and Twist Cable

SMA Jack PCB Mount Cable Type

Feel free to contact us for any inquiries about HD-TECH, our products, members and tailor-made services, request for quote, shipping, stock checking, ect... See our complete details on next page.

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