

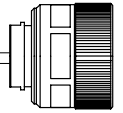
STANDARD COAXIAL CONNECTORS

PC7 coaxial adapters



ISO 9001 APPROVED





RADIALl **PC7** connectors have a 7 mm 50 Ω line size. These hermaphroditic, coplanar coupling precision connectors provide high performances up to 18 GHz.

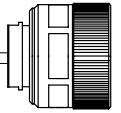
RADIALl **PC7** connectors are designed according to the standard IEC 457-2, and they are compatible with most **PC7** connectors available in the market.

RADIALl renews his offer in **PC7** precision adapters for applications in Microwave test equipment up to 18 GHz with :

- a wide range of adapters with the following standard interfaces
SSMA, SBMA, MCX, SMA, SMA 3.5, SMB, SMC, BMA, BNC, TNC, TNC 18, N, C.
- new adapters with **7/16 male and female interfaces**
- new design for the PC7 coupling nut
 - straight knurl,
 - 6 flats coupling nut (19 mm) ensuring optimal mating performance with a torque wrench **R282 303 010**.

We also provide low loss coaxial cable assemblies ended by **PC7** connectors.





ELECTRICAL CHARACTERISTICS

| | |
|----------------|-----------------------------|
| Impedance | 50 Ω |
| V.S.W.R. max | see details for each series |
| insertion loss | 0.04 √F (F in GHz) dB max |

ENVIRONMENTAL CHARACTERISTICS

| | |
|-------------------|--|
| Temperature range | + 13°C / + 33°C - 55°C / + 70°C storage |
|-------------------|--|

MECHANICAL CHARACTERISTICS (PC7 side only)

| | |
|------------------------------|--------------|
| Life | 5000 matings |
| Coupling nut retention force | 130 Ncm |

MATERIALS (PC7 side only)*

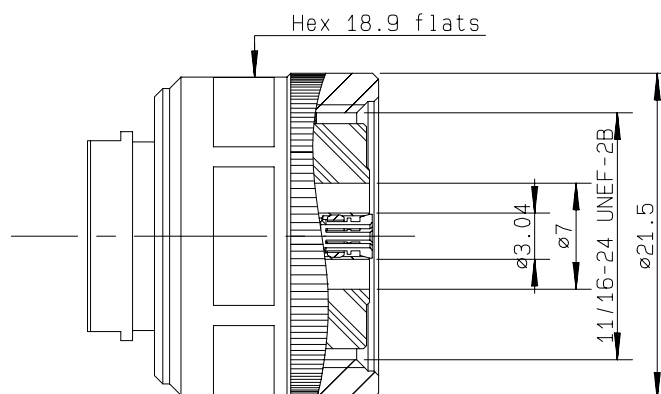
| | |
|----------------|------------------|
| Bodies | Stainless steel |
| Center contact | Beryllium copper |
| Insulator | Ultem |
| Coupling nut | Brass |

PLATING (PC7 side only)*

| | |
|---------------------------|--------|
| Bodies and center contact | Gold |
| Coupling nut | Nickel |

* Other side : see series materials and plating in series catalog.

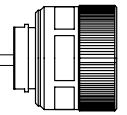
INTERFACE



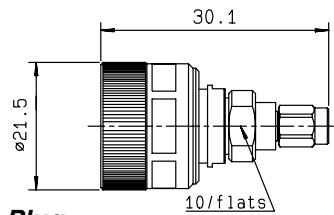
Standard packaging : unit.

All dimensions are given in mm.

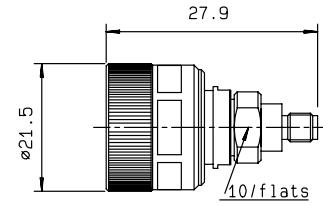
PC7



To SSMA



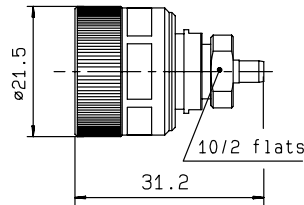
Plug



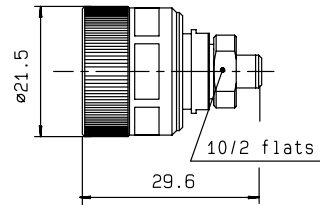
Jack

| Part number | type | Frequency | V.S.W.R. max |
|----------------------|------|-------------|----------------------|
| R191 033 000● | plug | DC - 18 GHz | 1.04 + 0.006 F (GHz) |
| R191 035 000● | jack | | |

To SBMA



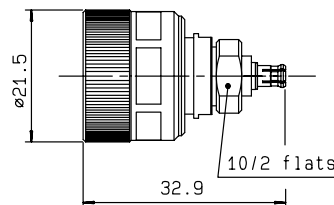
Plug



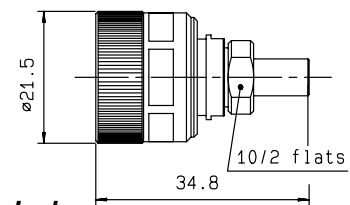
Jack

| Part number | type | Frequency | V.S.W.R. max |
|----------------------|------|-------------|----------------------|
| R191 045 000● | plug | DC - 18 GHz | 1.03 + 0.007 F (GHz) |
| R191 047 000● | jack | | |

To MCX



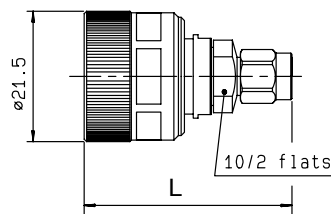
Plug



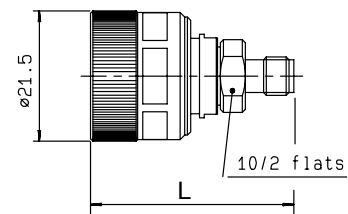
Jack

| Part number | type | Frequency | V.S.W.R. max |
|----------------------|------|------------|---------------------|
| R191 041 000● | plug | DC - 6 GHz | 1.05 + 0.01 F (GHz) |
| R191 043 000● | jack | | |

To SMA or SMA 3.5



Plug

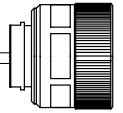


Jack

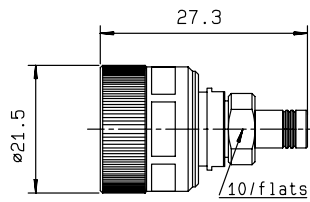
| Part number | Serie | type | length | Frequency | V.S.W.R. max |
|---------------------|---------|------|--------|-------------|---------------------|
| R191 009 000 | SMA | plug | 26.8 | DC - 18 GHz | 1.03 + 0.0025F(GHz) |
| R191 011 000 | | jack | 25.9 | | |
| R191 010 000 | SMA 3.5 | plug | 34.1 | | 1.05 + 0.005F (GHz) |
| R191 012 000 | | jack | 33.1 | | |

● Upon request

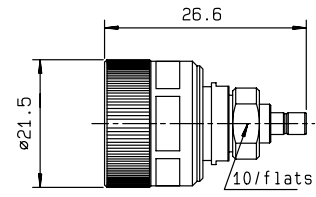
PC7



To SMB



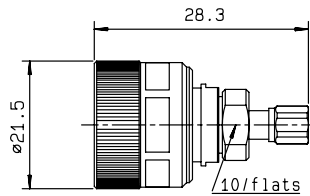
Plug with female center contact



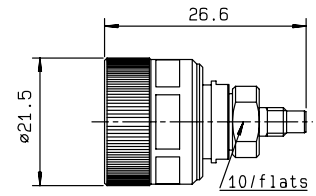
Jack with male center contact

| Part number | type | Frequency | V.S.W.R. max |
|----------------------|------|------------|---------------------|
| R191 007 000● | plug | DC - 4 GHz | 1.05 + 0.02 F (GHz) |
| R191 005 000● | jack | | |

To SMC



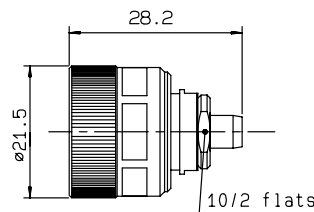
Plug with female center contact



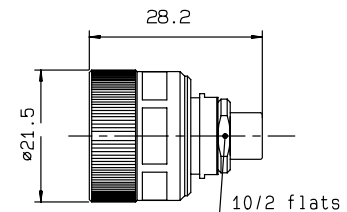
Jack with male center contact

| Part number | type | Frequency | V.S.W.R. max |
|----------------------|------|-------------|---------------------|
| R191 003 000● | plug | DC - 10 GHz | 1.05 + 0.01 F (GHz) |
| R191 001 000● | jack | | |

To BMA



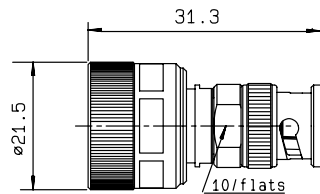
Plug



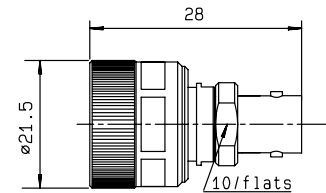
Jack

| Part number | type | Frequency | V.S.W.R. max |
|----------------------|------|-------------|----------------------|
| R191 037 000● | plug | DC - 18 GHz | 1.03 + 0.007 F (GHz) |
| R191 039 000● | jack | | |

To BNC



Plug

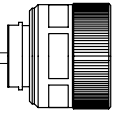


Jack

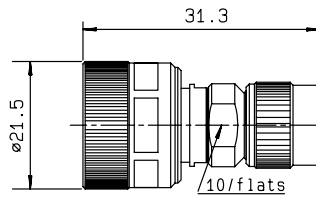
| Part number | type | Frequency | V.S.W.R. max |
|---------------------|------|------------|----------------------|
| R191 013 000 | plug | DC - 4 GHz | 1.03 + 0.006 F (GHz) |
| R191 015 000 | jack | | |

● Upon request

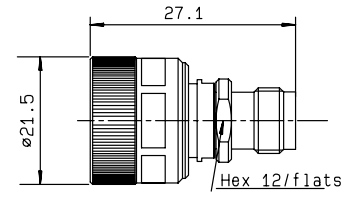
PC7



To TNC



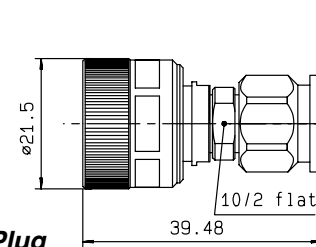
Plug



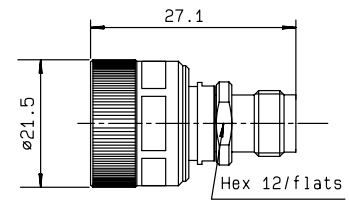
Jack

| Part number | type | Frequency | V.S.W.R. max |
|----------------------|------|-------------|----------------------|
| R191 017 000● | plug | DC - 11 GHz | 1.02 + 0.006 F (GHz) |
| R191 019 000● | jack | | |

To TNC 18



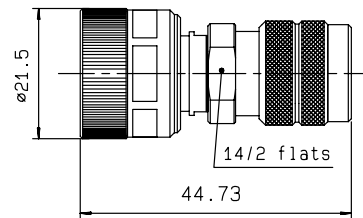
Plug



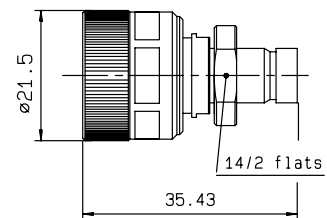
Jack

| Part number | type | Frequency | V.S.W.R. max |
|---------------------|------|-------------|----------------------|
| R191 017 700 | plug | DC - 18 GHz | 1.05 + 0.003 F (GHz) |
| R191 019 700 | jack | | |

To MQ



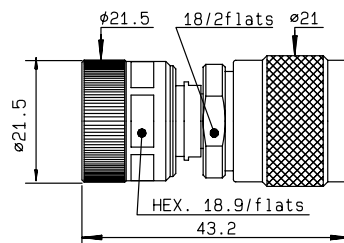
Plug



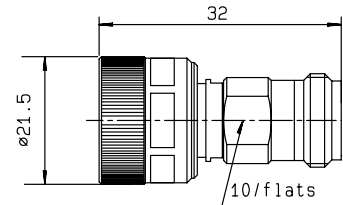
Jack

| Part number | type | Frequency | V.S.W.R. max |
|----------------------|------|------------|----------------------|
| R191 021 000● | plug | DC - 4 GHz | 1.05 + 0.025 F (GHz) |
| R191 023 000● | jack | | |

To N



Plug

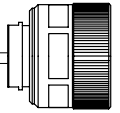


Jack

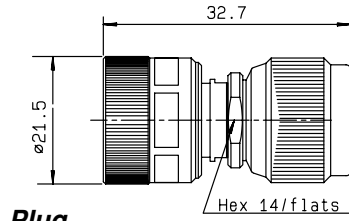
| Part number | type | Frequency | V.S.W.R. max |
|---------------------|------|-------------|----------------------|
| R191 025 000 | plug | DC - 18 GHz | 1.04 + 0.004 F (GHz) |
| R191 027 000 | jack | | |

● Upon request

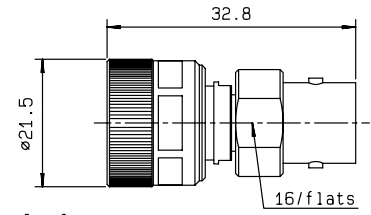
PC7



To C



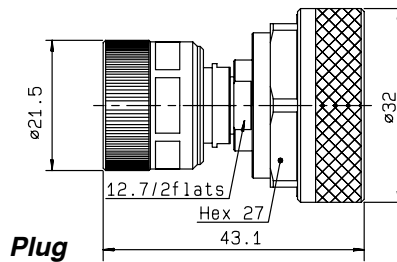
Plug



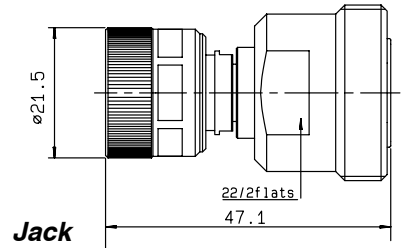
Jack

| Part number | type | Frequency | V.S.W.R. max |
|-----------------------|------|-------------|----------------------|
| R191 029 000 ● | plug | DC - 11 GHz | 1.03 + 0.003 F (GHz) |
| R191 031 000 ● | jack | | |

To 7/16



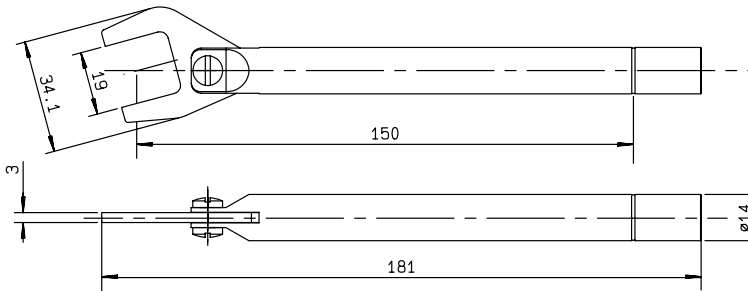
Plug



Jack

| Part number | type | Frequency | V.S.W.R. max |
|---------------------|------|--------------|----------------------|
| R191 096 000 | plug | DC - 8.5 GHz | 1.03 + 0.006 F (GHz) |
| R191 096 300 | jack | | |

TORQUE WRENCH (130 Ncm)



| |
|---------------------|
| Part number |
| R282 303 010 |

PC7 CABLE ASSEMBLIES

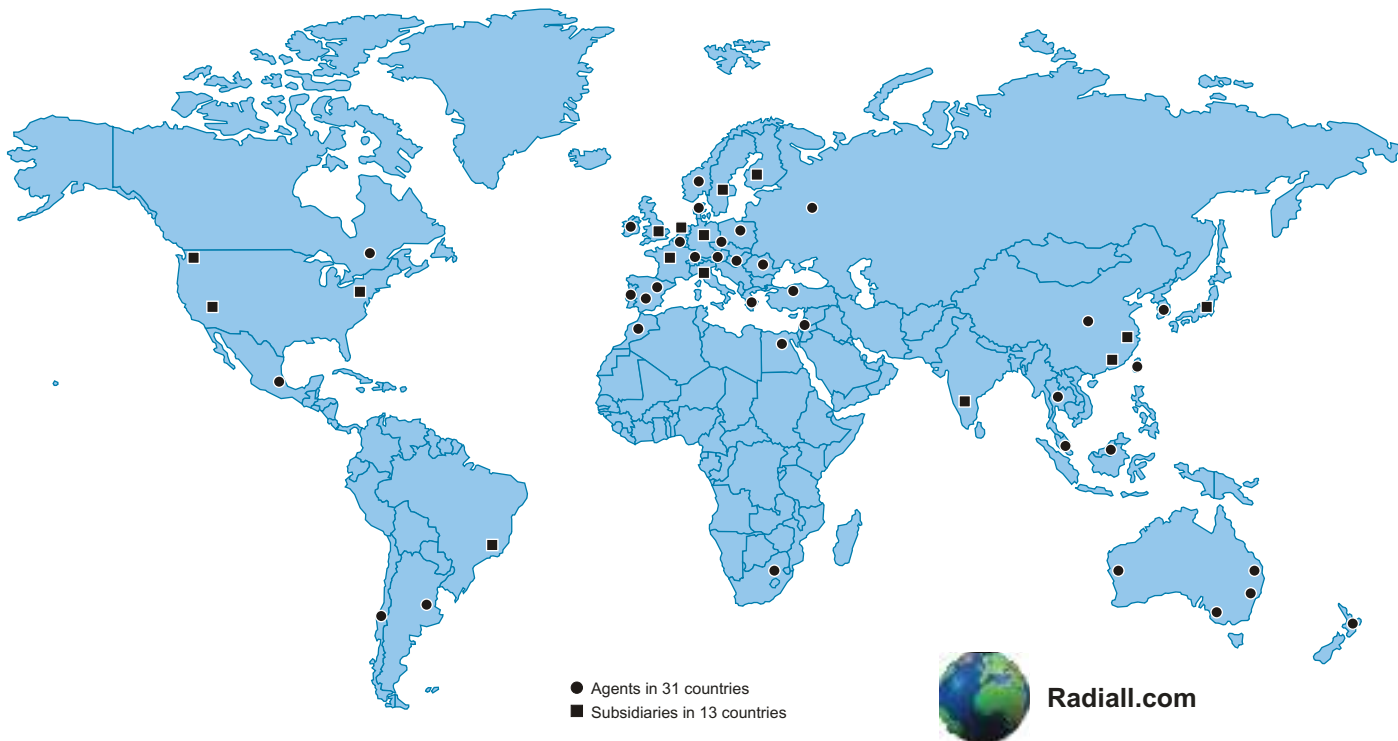


All cable assemblies are delivered in individual bags, with their own test plots (insertion and V.S.W.R.).

Ask for our full detailed catalog of LOW LOSS COAXIAL CABLE ASSEMBLIES (D1 287 CE)

● Upon request





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