Coaxial Connectors

FN series

Coaxial Connectors

Outline

The FN series are coaxial connectors complying with the MIL standards for N type and JIS standards for CO1 type. Those are mid-sized, and adapt screw coupling method, which is high in weather resistance. And then they are suitable for relatively mid-sized diameter coaxial cables, and used for small-sized measurement instruments, transmitters/receivers, etc.

Document Disclaimer

- When placing orders with us, minimum order quantities are set for every product.
- Be sure to contact us before starting preliminary design of PCBs using our connectors.
- The specifications and information shown in the catalog are subject to change without notice.

Specifications

Item	Specification
Contact resistance	3 milliohms or less
Insulation resistance	Over 1000 megohms (at 500V DC)
Dielectric withstanding voltage	1500V AC for up to one minute
Characteristic impedance	50 ohms
Frequency range	DC to 10 GHz (up to 200 MHz at 75-ohm impedance)
Voltage standing wave ratio (VSWR)	1.2 or less, at DC to 4 GHz frequency range
Connection method	Screw coupling
For use with specific cable sizes	RG-5/U or 6/U RG-8/U or 9/U RG-55/U or 58/U 3D-2V or 3C-2V 5D-2V or 5C-2V 5D-2W or 5C-2W

Materials and Plating

Part Name	Material	Plating
Shell	Brass	Silver plate, Nickel plate
Outer surface of contact	Phosphor bronze	Silver plate, Nickel plate
Center contact (male)	Brass	Silver plate, Gold plate
Center contact (female)	Beryllium	Silver plate, Gold plate
Insulator	Fluoride resin	–
Packing	Silicone rubber	–

Cable Assemblies

Please contact us for details.

Product List

Straight plug
FN-SPM1A+,FN-SPM1B+
FN-SPM1C+,FN-SPM1D+
FN-SPM1E+,FN-SPM1F+,FN-SPM1G+
K-64
FN series...4

Straight plug
FN-SPM2A+,FN-SPM2C+
FN-SPM2D+,FN-SPM2E+

K-64
FN series...4

Straight plug
FN-SPM12A+

K-64
FN series...4

Straight jack
FN-SPF2A+,FN-SPF2B+
FN-SPF2C+,FN-SPF2D+
FN-SPF2F+
K-65
FN series...5

Panel-mounted jack
FN-CRF1C+
FN-CRF1D+
FN-CRF1E+
K-65
FN series...5

Panel-mounted jack
FN-CRF2A+,FN-CRF2B+
FN-CRF2C+,FN-CRF2D+
FN-CRF2F+
K-65
FN series...5

Panel-mounted jack
FN-CRF7A+

K-65
FN series...5

Receptacle
FN-SRF1A+
FN-SRF1B+

K-66
FN series...6

Straight adaptor
FN-SA1A+
FN-SA1B+

K-67
FN series...7

Straight adaptor
FN-SA2A+
FN-SA2B+

K-67
FN series...7

Panel-mounted adaptor
FN-PA1A+

K-67
FN series...7

Right-angle adaptor
FN-LA1A+
FN-LA1B+

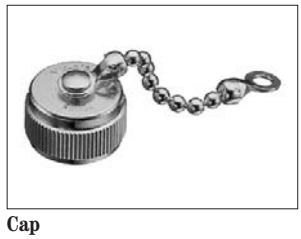
K-67
FN series...7

T-type adaptor
FN-TA1A+
FN-TA1B+

K-68
FN series...8

T-type adaptor
FN-TA2A+
FN-TA2B+

K-68
FN series...8

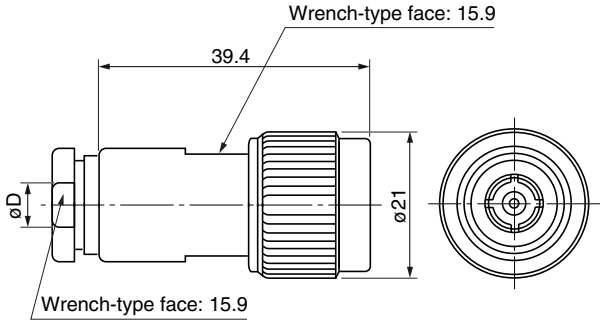


Cap
FN-DC1A+
FN-DC1B+

K-69
FN series...9

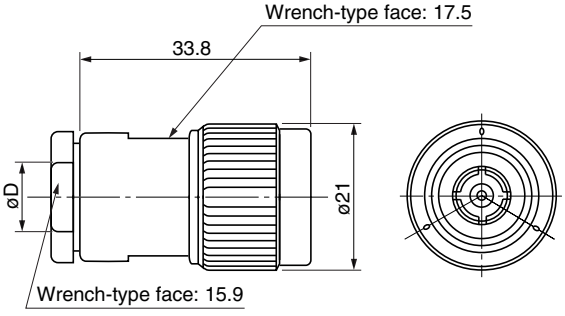
FN Series of Straight Plug

RoHS



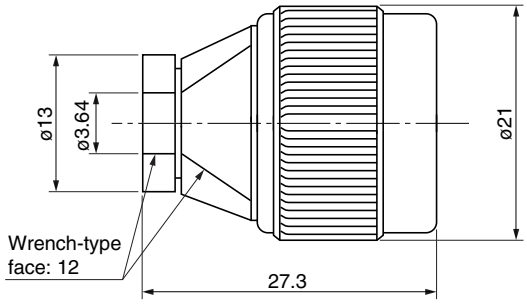
Straight plug

Name	Part No.	For use with cable	øD
UG-18B/U	FN-SPM1A+	RG-5/U, RG-6/U	9.1
UG-21B/U	FN-SPM1B+	RG-8/U, RG-9/U	11.1
N-P-3	FN-SPM1C+	3D-2V, 3C-2V	6.3
N-P-5	FN-SPM1D+	5D-2V, 5C-2V	8.0
N-P-5W	FN-SPM1E+	5D-2W, 5C-2W	9.1
N-P-58U	FN-SPM1G+	RG-55/U, RG-58/U	5.4
N-P-62U	FN-SPM1F+	RG-59/U, RG-62/U	6.5



Straight plug

Name	Part No.	For use with cable	øD
UG-18C/U	FN-SPM2D+	RG-5/U, RG-6/U	8.71
UG-21D/U	FN-SPM2A+	RG-8/U, RG-9/U	11.1
N-P-5U	FN-SPM2E+	RG-5/U, RG-6/U	8.71
N-P-8U	FN-SPM2C+	RG-8/U, RG-9/U	11.1

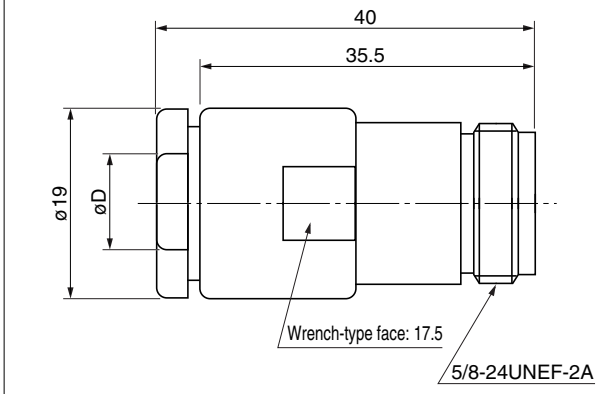


Straight plug

Part No.	For use with cable
FN-SPM12A+	RG-402/U (UT-141A)

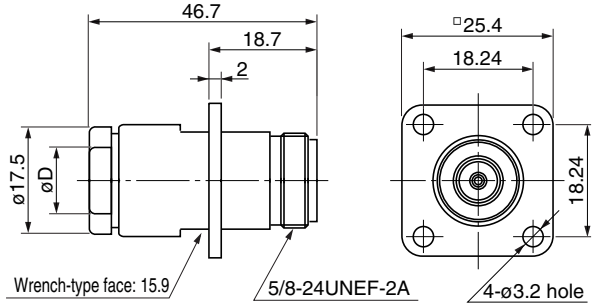
FN Series of Straight Jack and Panel-mounted Jack

RoHS



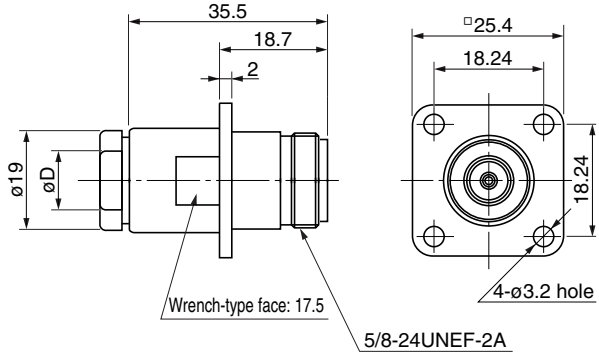
Straight jack

Name	Part No.	For use with cable	øD
UG-20C/U	FN-SPF2A+	RG-5, 6, 21/U	8.71
UG-23D/U	FN-SPF2B+	RG-8, 9/U	11.1
N-J-5U	FN-SPF2C+	RG-5, 6, 21/U	8.71
N-J-8U	FN-SPF2D+	RG-8, 9/U	11.1
N-J-55U	FN-SPF2F+	RG-55/U, RG-58/U	5.4



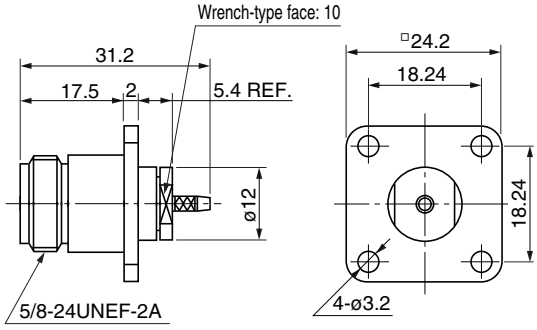
Panel-mounted jack

Name	Part No.	For use with cable	øD
N-PJ-3	FN-CRF1C+	3D-2V, 3C-2V	6.3
N-PJ-5	FN-CRF1D+	5D-2V, 5C-2V	8.0
N-PJ-58U	FN-CRF1E+	RG-55, 58/U	5.4



Panel-mounted jack

Name	Part No.	For use with cable	øD
UG-19C/U	FN-CRF2A+	RG-5, 6, 21/U	8.71
UG-22D/U	FN-CRF2B+	RG-8, 9/U	11.1
N-PJ-5U	FN-CRF2C+	RG-5, 6, 21/U	8.71
N-PJ-8U	FN-CRF2D+	RG-8, 9/U	11.1
N-PJ-55U	FN-CRF2F+	RG-55, 58/U	5.4



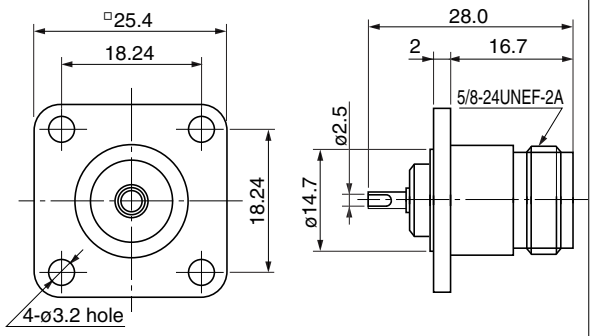
Panel-mounted jack

Part No.	For use with cable
FN-CRF7A+	1.5D-QEV 1.5D-QEW (Fujikura make)

Shell…Nickel plate
Center contact…Gold plate

FN Series of Receptacle

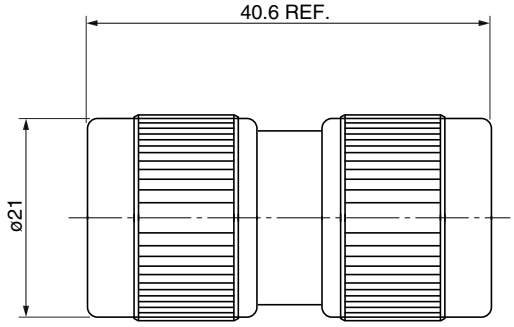
RoHS



Receptacle

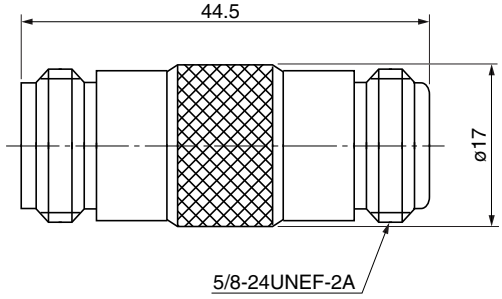
Name	Part No.
UG-58A/U	FN-SRF1A+
N-R	FN-SRF1B+

FN Series of Adaptor



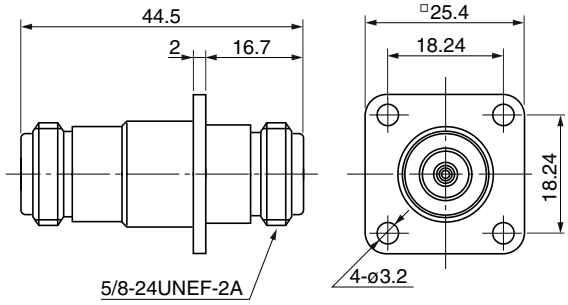
Straight adaptor

Name	Part No.
UG-57B/U	FN-SA1A+
N-A-PP	FN-SA1B+



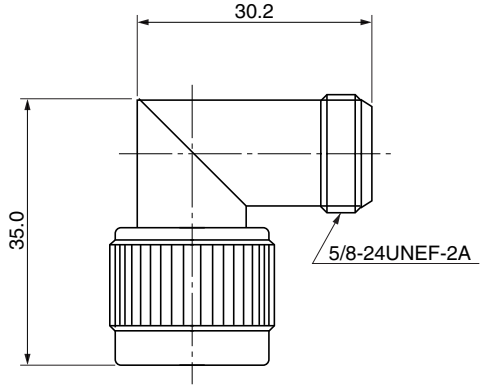
Straight adaptor

Name	Part No.
UG-29B/U	FN-SA2A+
N-A-JJ	FN-SA2B+



Panel-mounted adaptor

Name	Part No.
N-PA-JJ	FN-PA1A+

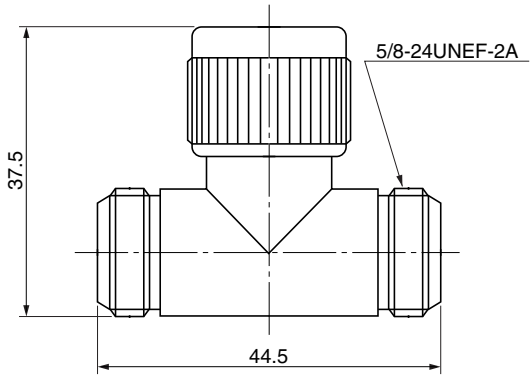


Right-angle adaptor

Name	Part No.
UG-27B/U	FN-LA1A+
N-LA-PJ	FN-LA1B+

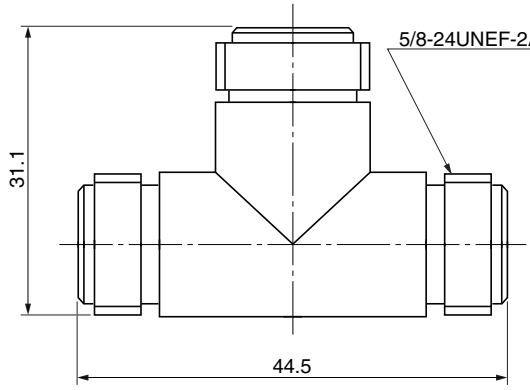
FN Series of Adaptor

RoHS



T-type adaptor

Name	Part No.
UG-107B/U	FN-TA1A+
N-TA-JPJ	FN-TA1B+

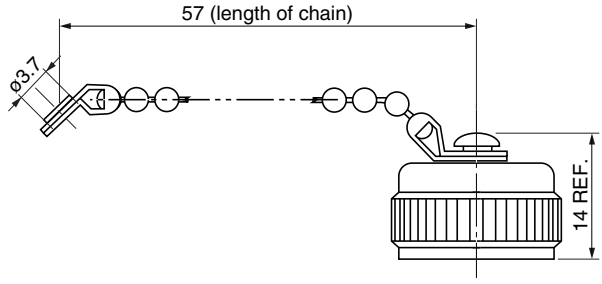


T-type adaptor

Name	Part No.
UG-28A/U	FN-TA2A+
N-TA-JJJ	FN-TA2B+

FN Series of Cap

RoHS



Cap

Name	Part No.
MX-913/U	FN-DC1A+
N-C	FN-DC1B+