



TINY xlr Cable Connectors



RT3FC-B



RT4FC-B-W



RT4FCT-B

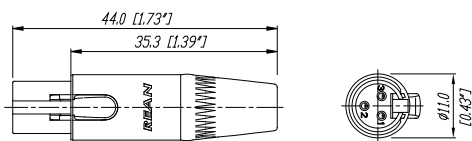


RT3MC-B

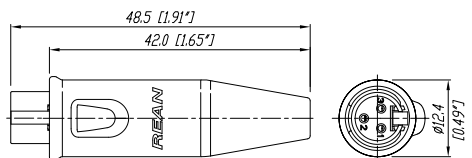
- 3, 4 and 5 pole versions available
- Easy to assemble
- Robust metal housing with best flex relief
- Shielded system – high noise immunity and EMI protection
- Intuitive and rugged locking mechanism provides secure locking system
- Millionfold proven chuck type strain relief – up to 4.00 mm cable diameter

- Keyed insert and strain relief to avoid mispositioning/rotation of insert respectively cable
- RT*FC-B-W: optional sealing boot (patent pending) for water/sweat protection if mated with RT*MP
- RT*FCT-B: screw locking design for outstanding ruggedness – fits with common rear mountable connectors
- BRT-L: Accessory kit for cables from 4.00 – 5.00 mm

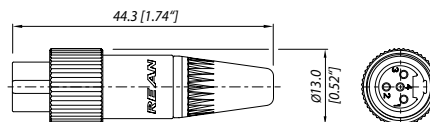
RT3FC-B



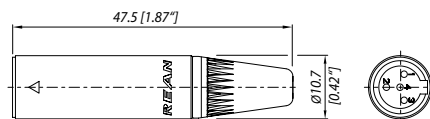
RT3FC-B-W



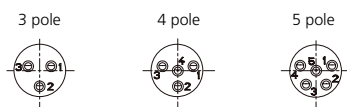
RT3FCT-B



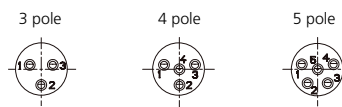
RT3MC-B



Female Pin-Layouts (front view)



Male Pin-Layouts (front view)



Ordering Information

Type No.	Description	
Cable connectors		
Female	Male	
RT3FC-B	RT3MC-B	3 pole TINY cable connector, black metal shell, gold plated contacts
RT4FC-B	RT4MC-B	4 pole TINY cable connector, black metal shell, gold plated contacts
RT5FC-B	RT5MC-B	5 pole TINY cable connector, black metal shell, gold plated contacts
RT*FC-B-D	RT*MC-B-D	TINY cable connector, black metal shell, gold plated contacts; bulk packed, to be ordered in multiples of 100 pcs.
Cable connectors female water resistant		
RT3FC-B-W		3 pole TINY female cable connector, black metal shell, water resistant boot, gold plated contacts
RT4FC-B-W		4 pole TINY female cable connector, black metal shell, water resistant boot, gold plated contacts
RT5FC-B-W		5 pole TINY female cable connector, black metal shell, water resistant boot, gold plated contacts
RT*FC-B-W-D		TINY female cable connector, black metal shell, water resistant boot, gold plated contacts; bulk packed,
		to be ordered in multiples of 100 pcs.
Cable connectors female screw locking		
RT3FCT-B		3 pole TINY female cable connector with screw locking, black metal shell & nut, gold plated contacts
RT4FCT-B		4 pole TINY female cable connector with screw locking, black metal shell & nut, gold plated contacts
RT5FCT-B		5 pole TINY female cable connector with screw locking, black metal shell & nut, gold plated contacts
RT*FCT-B-D		TINY female cable connector with screw locking, black metal shell & nut, gold plated contacts; bulk packed,
		to be ordered in multiples of 100 pcs.
Accessories		
BRT-L		Bushing and chuck for cable diameters 4.0 – 5.0 mm

Specification

Cable connectors
RT*FC-B*/RT*MC-B*

Screw locking
RT*FCT-B*

Electrical		
Rated current per contact	< 5 A	< 5 A
Contact resistance	< 10 mΩ	< 10 mΩ
Insulation resistance	> 1 GΩ	> 1 GΩ
Dielectric strength	> 500 V rms	> 500 V rms
Mechanical		
Lifetime	> 5'000 mating cycles	> 5'000 mating cycles
Cable O.D. range	2.0 – 4.0 mm	2.0 – 4.0 mm
Wiring	solder contacts	solder contacts
Max. wire size	0.22 mm ² / 24 AWG	0.22 mm ² / 24 AWG
Material		
Bushing	ABS	ABS
Contacts	female CuSn6 / male CuZn39Pb3	CuSn6
Contact plating	Au plated	Au plated
Insert	PA 6 30% GR	PA 6 30% GR
Shell (housing)	ZnAl4Cu1	ZnAl4Cu1
Shell plating	black	black
Strain relief	PVC	PVC
Protection boot	EPDM	–
Locking nut	–	Al, black anodized
Environment		
Operating temperature	-30°C to +85°C	-30°C to +85°C
Solderability	complies with IEC68-2-20	complies with IEC68-2-20