

# CX7F-BAU

XLR Female Cable Connectors

## Technical Information

Electrical	
Contact resistance - initial	< 10 mΩ
- after 1'000 mating cycles	< 20 mΩ
Ground contact resistance	< 100 mΩ
Dielectric strength	> 1 kV dc
Insulation resistance - initial	> 1 GΩ
- after damp heat test	> 0.1 GΩ

Mechanical	
Lifetime	> 1'000 mating cycles
Mating force	< 50 N
Locking force (pull out locked connector)	> 250 N
Withdrawal force	< 20 N
Strain relief force (depending on cable O.D.)	> 100 N
Cable O.D. range	4.0 - 8.0 mm
Wiring type	Soldering
Max. wire size	2.5 mm <sup>2</sup> / AWG 14

<b>Material</b>	
Shell (housing)	Zinc diecast
Shell plating	Nickel or black
Insert	Nylon
Contacts	Bronze
Contact plating	Tin-cerium or gold
Latch look	Zinc diecast / CK67 (spring)
Latch look plating	Nickel
Strain relief (chuck)	POM
Bushing	Nylon
Boot	Nylon

<b>Environmental</b>	
Operating temperature	-20 °C to +70 °C
Protection class	IP 40
Solderability	Complies with IEC 68-2-20
Manufacturing standard	Complies with IEC 61076-2-103