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NC3FXCC

3 pole female cable connector, RF-protected, gold contacts

Cable O.D.: 5.4 - 6.2 mm
Crimp Size Shield: 6.5 mm (hex)

The XCC XLR cable connector Series with circumferential shield contact provides excellent RF-protection to transmit digital audio signals most efficient and reliable. This XLR features a coaxial ground spring and a coaxial hex crimp ferrule at the cable entrance for proper and reliable transition of the shield to the shell.

Features & Benefits

- 3 pole cable connector with a circumferential shield contact for best EMI protection
- Rugged zinc diecast shell, long lasting and durable
- Boot with rubber gland gives high protection against bending stresses
- XCCR coding ring to indicate digital AES signals included
- Chuck type strain relief system for secure clamping of cables

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Technical Information

Product	
Title	NC3FXCC
Connection Type	XLR
Gender	female

Electrical	
Capacitance between contacts	≤ 4 pF
Contact resistance	≤ 3 mΩ
Dielectric strength	1,5 kVdc
Insulation resistance	> 10 GΩ (initial)
Rated current per contact	16 A
Rated voltage	< 50 V
Shielding effectiveness	> 55 dB @ 1.3 GHz

Mechanical	
Cable O.D.	5.4 - 6.2 mm
Crimp size	6,47 Hex crimp (shield) acc. IEC 60803 (die designation E)
Insertion force	≤ 20 N
Withdrawal force	≤ 20 N
Lifetime	> 1000 mating cycles
Wiresize	max. 2.5 mm²
Wiresize	max. 14 AWG
Wiring	Solder contacts
Locking device	Latch lock

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Material

Boot	Polyurethan
Coding Ring	PA 6 15% GR
Contact plating	0.2 µm Au hard alloy over 2 µm Ni
Contacts	Bronze (CuSn8)
Crimp ferrule	CuZn39Pb3, Ni plated
Insert	Polyamide (PA66)
Locking element	St3K32 (latch) / Ck 67 (spring)
Shell	Zinc diecast (ZnAl4Cu1)
Shell plating	Nickel
Strain relief	Polyacetal (POM)
Circumferential ground spring	CuSn6, Ni plated

Environmental

Approvals	UL
Flammability	UL 94 V-0
Standard compliance	IEC 61076-2-103
Protection class	IP 40
Solderability	Complies with IEC 68-2-20
Temperature range	-30 °C to +80 °C