



NC3MXCC

3 pole male 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

Technical Information

Product	
Title	NC3MXCC
Connection Type	XLR
Gender	male

Electrical	
Capacitance between contacts	$\leq 4 \text{ pF}$
Contact resistance	$\leq 3 \text{ m}\Omega$
Dielectric strength	1,5 kVdc
Insulation resistance	$> 10 \text{ G}\Omega$ (initial)
Rated current per contact	16 A
Rated voltage	$< 50 \text{ V}$
Shielding effectiveness	$> 55 \text{ dB @ } 1.3 \text{ GHz}$

Mechanical	
Cable O.D.	5.4 - 6.2 mm
Crimp size	6,47 Hex crimp (shield) acc. IEC 60803 (die designation E)
Insertion force	$\leq 20 \text{ N}$
Withdrawal force	$\leq 20 \text{ N}$
Lifetime	> 1000 mating cycles
Wiresize	max. 2.5 mm^2
Wiresize	max. 14 AWG
Wiring	Solder contacts
Locking device	Latch lock

Material

Boot	Polyurethan
Coding Ring	PA 6 15% GR
Contact plating	0.2 µm Au hard alloy over 2 µm Ni
Contacts	Brass (CuZn39Pb3)
Crimp ferrule	CuZn39Pb3, Ni plated
Insert	Polyamide (PA66)
Locking element	Zinc diecast (ZnAl4Cu1)
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