



## NC5FXX-HD-D

Heavy duty female 5 pole XLR cable connector for outdoor use.

### Features & Benefits

- Dust and water ingress sealing:
  - IP67 in combination with HD cable connector NC5MXX-HD\*
  - IP67 in combination with HD chassis connector NC5MPR-HD
- Rubber sealing jacket protects against water ingress and mechanical shock
- Gold contacts

## Technical Information

Product	
Title	NC5FXX-HD-D
Connection Type	XLR
Gender	female

Electrical	
Capacitance between contacts	$\leq 7$ pF
Contact resistance	$\leq 3$ m $\Omega$
Dielectric strength	1.5 kVdc
Insulation resistance	> 10 G $\Omega$ (initial), > 1 (after damp heat test)
Number of electrical contacts	5
Rated current per contact	7.5 A
Rated voltage	< 50 V ac

Mechanical	
Cable O.D.	6.0 - 8.0 mm
Insertion force	$\leq 20$ N
Withdrawal force	$\leq 20$ N
Lifetime	1000 mating cycles
Wiresize	max. 1.0 mm <sup>2</sup>
Wiresize	max. 18 AWG
Wiring	Solder contacts
Locking device	Latch lock

<b>Material</b>	
<b>Boot</b>	PA / PU
<b>Contact plating</b>	0.2 µm Au hard alloy over 2 µm Ni
<b>Contacts</b>	Brass (CuZn39Pb3)
<b>Insert</b>	Polyamide (PA66)
<b>Locking element</b>	Zinc diecast (ZnAl4Cu1) / Ck 67 (spring)
<b>Shell</b>	Zinc diecast (ZnAl4Cu1)
<b>Shell plating</b>	Nickel
<b>Strain relief</b>	Polyacetal (POM)
<b>Sealing jacket</b>	EPDM

<b>Environmental</b>	
<b>Flammability</b>	UL 94 V-0
<b>Solderability</b>	Complies with IEC 68-2-20
<b>Temperature range</b>	-30 °C to +80 °C
<b>Manufacturing Standard</b>	IEC 61076-2-103