



X-HD Series

These heavy duty cable connectors were made for outdoor, high traffic, or industrial applications. The male shell is stainless steel and the female is covered in neoprene with a sealing lip to mate securely. Gold contacts, which offer superb abrasion resistance, are standard. The two piece metal boot contains a rubber "O" ring which prevents elements from entering the shell. The X-HD series is dust proof, water and corrosion resistant according to IEC-144:IP65 when mated together or IEC-144:IP54 when mated with others.

Part drawings are available courtesy of www.Neutrik.com. For additional drawings, please contact NeutrikUSA.

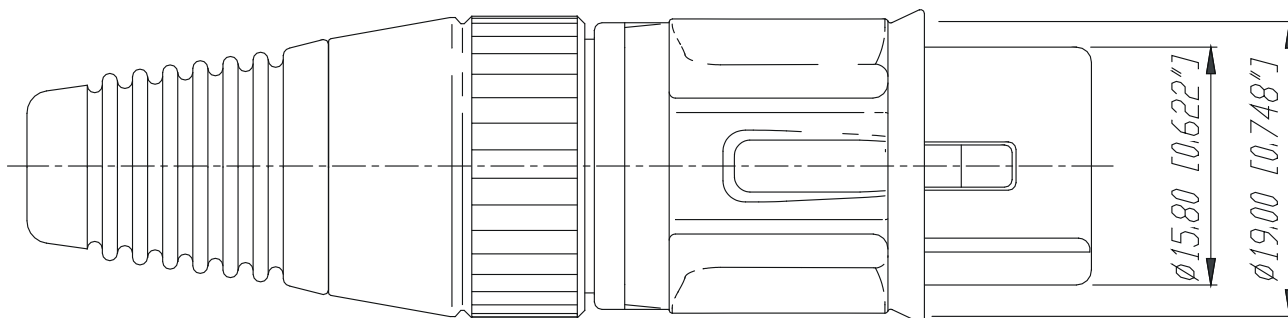
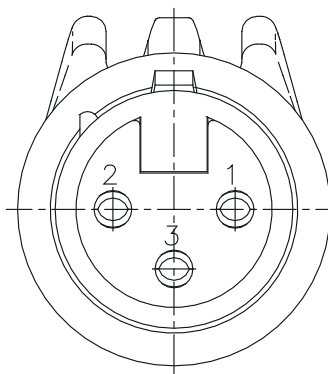
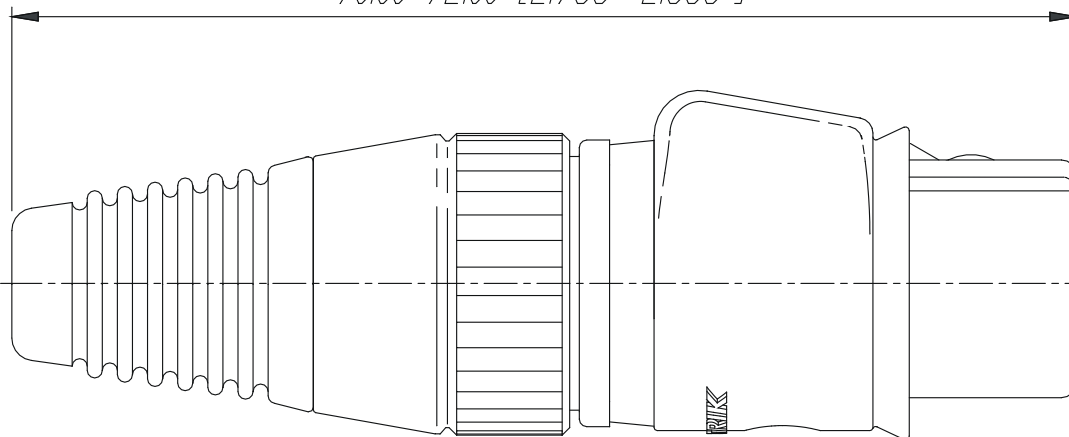
ORDERING INFORMATION "X-HD" Series Male		
# of Contacts	Stainless Steel Shell Gold Contacts	
3	NC3MX-HD	NC3MX-HD-B*

* - B version has black boot only
(male shell is not black)

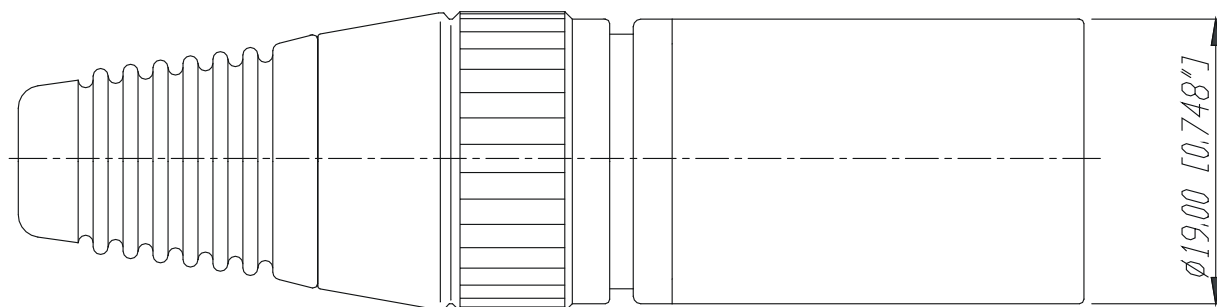
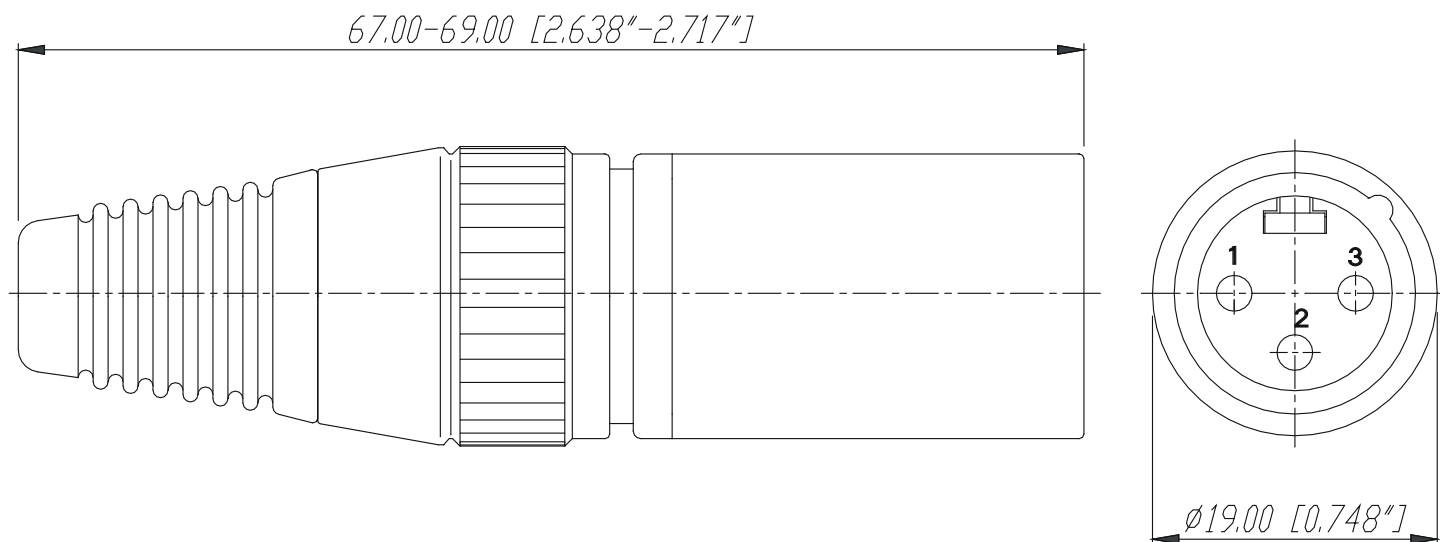
ORDERING INFORMATION "X-HD" Series Female		
# of Contacts	Neoprene Covered Nickel Shell Gold Contacts	
3	NC3FX-HD	NC3FX-HD-B*

Also available in 4-7 pin configuration including 6 pin Switchcraft® equivalent.
Contact NeutrikUSA for ordering information.

70.00-72.00 [2.756"-2.835"]



					Werkstoff:	Massstab:		Datum	Name
				*Lieferant darf ohne Ruecksprache nicht geaendert werden		2:1	Gezeichnet	10.06.92	Alinjak
				Zeichnung urheberrechtlich geschuetzt (DIN 34) (C)			Geprueft		
							Gesehen		
				Benennung:	X-HD Serie NC3FX-HD		Ersetzt durch:		Blatt
							Ersatz fuer:		von Blatt
					NEUTRIK AG FL-9494 SCHAAN		Zeichn. Nr. 3102 St 08 06		
Ind.	Aenderung	Datum	Name						



					Werkstoff:	Massstab: 2:1		Datum	Name
				*Lieferant darf ohne Ruecksprache nicht geaendert werden			Gezeichnet	10.06.92	Battlogg
				Zeichnung urheberrechtlich geschuetzt (DIN 34) (C)			Geprueft		
							Gesehen		
				Benennung:	X-HD Serie		Ersetzt durch:		Blatt
					NC3MX-HD		Ersatz fuer:		von Blatt
							Zeichn. Nr.		3102 St 08 08
Ind.	Aenderung	Datum	Name	NEUTRIK AG FL-9494 SCHAAN					

Specifications - XLR Cable Connectors								
Electrical		X Series	X-1 Series	RC Series	X-HD Series	FX-S Series	FZ-L Series	FX-Spec Series
Number of contacts:	3-7	X	3 only	X	3	3 only	3 only	3 only
Rated Current:	see table below	X	X	X	X	X	6A	X
Contact resistance:	< 3 mΩ	X	X	X	X	X	X	X
Insulation resistance initial:	>2·109mΩ	X	X	X	X	X	X	X
Insulation resistance after damp heat test:	>1.109mΩ	X	X	X	X	X	X	X
Dielectric strength:	1500 V dc	X	X	X	X	X	X	X
Mechanical		X Series	X-1 Series	RC Series	X-HD Series	FX-S Series	FZ-L Series	FX-Spec Series
Insertion/withdrawal force:	≤ 20N	X	X	X	X	X	X	X
Max. Wire Size:	see table below	X	X	X	X	X	X	X
Cable O.D. range:	3.5mm - 8.0mm	X	4mm - 7mm	4mm - 7mm	X	X	5mm - 6.7mm	X
Environmental		X Series	X-1 Series	RC Series	X-HD Series	FX-S Series	FZ-L Series	FX-Spec Series
Temperature range:	-30°C to +80°C	X	X	X	X	X	X	X
Flammability:	UL 94HB	X	X	X	X	X	X	X
Solderability:	Complies with IEC 68-2-20	X	X	X	X	X	X	X
Protection Class :		N/A	N/A	N/A	IP65	N/A	N/A	N/A
Materials		X Series	X-1 Series	RC Series	X-HD Series	FX-S Series	FZ-L Series	FX-Spec Series
Shell:	ZnAl4Cu1, black Chrome over Cu plating	X	X	X	X	X	X	Black Cr. Only
Cover:	EPDM (natural rubber)	N/A	N/A	N/A	N/A	N/A	X	N/A
Insert:	PA 6.6 30% GR (glass reinforced)	X	X	X	X	X	X	X

Locking Ring :	ZnAl4Cu1, gal Ni or black Chrome over Cu plating	N/A	N/A	N/A	N/A	N/A	X	Black Cr.
Contacts:	female (3 pole) CuSn6	X	X	X	X	X	X	N/A
Contacts:	female (4-7 pole) & male CuZn 39P63	X	X	X	X	N/A	N/A	N/A
Contact surface:	gal 0.3 μ m Au hard alloy over 2 μ m Ni	X	X	X	X	X	gal 0.1 μ m AuCo hard alloy over 2 μ m Ni15 (Tribor)	Silver only
Latch lock:	St3K32 (latch)/CK 67 (spring)	X	X	X	X	X	X	X
Strain relief clamp:	POM	X	X	X	X	X	X	X
Antikink boot:	PUR	X	X	X	PUR	X	EPDM	X

XLR Rated Current			
X	1[A]	{mm²/AWG}	C[pF]
3	16	2.5/14	≤ 4
4	10	1.5/16	≤ 7
5	7.5	1.0/18	≤ 7
6	7.5	1.0/18	≤ 7
7	5	1.0/18	≤ 9

Part drawings are
available courtesy
of
www.neutrik.com.
For additional
drawings, please
contact
NeutrikUSA.