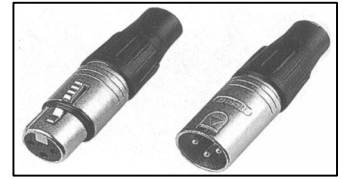


## XLR connectors

Order code	Manufacturer code	Description
20-2320	NC3MXY	3 POLE NC3MXY IDC CABLE PLUG (RC)
20-2325	NC3FX Y	3 POLE NC3FX Y IDC CABLE SOCKET (RC)

XLR connectors	Page 1 of 3
The enclosed information is believed to be correct, Information may change 'without notice' due to product improvement. Users should ensure that the product is suitable for their use. E. & O. E.	Revision A 04/07/2003

## Connectors – Audio/Video



### Neutrik - IDC Termination XLR Connectors

Neutrik's XY series of XLR connectors employ a novel IDC contact system enabling connection to be made without the need for soldering. Key benefits of this style of connector are:

- Up to 40% saving in assembly time compared with conventional methods
- No stripping or tinning of wires
- No soldering - field serviceable
- Choice of shell grounding
- Use of some basic XLR connector elements as X-series (the world-wide methods XLR standard)
- Special shield contact
- Double ID - contacts for high reliability

#### Specifications:

Electrical:

<b>Rated current:</b>	3A
<b>Contact resistance:</b>	$\leq 6\text{m}\Omega$
<b>Insulation resistance:</b>	
Initial:	$> 2 \cdot 10^9 \Omega$
After damp heat test:	$> 1 \cdot 10^9 \Omega$
<b>Dielectric strength:</b>	1500 VDC

Mechanical:

<b>Lifetime:</b>	$> 1000$ cycles
<b>Insertion/withdrawal force:</b>	$\leq 20\text{N}$
<b>Max wire size:</b>	AWG24, (0.22mm <sup>2</sup> ) AWG26, (0.14mm <sup>2</sup> )
<b>Cable O.D. range:</b>	4.0mm – 7.0mm

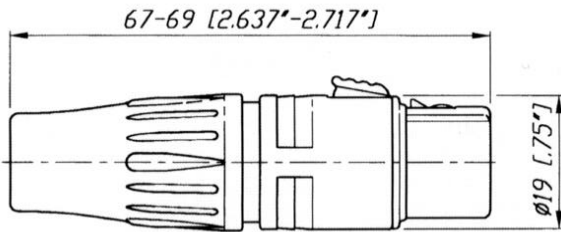
Environmental:

Temperature range:	-30°C to +80°C
Flammability:	UL 94HB
Solderability:	Complies with IE 68-2-20

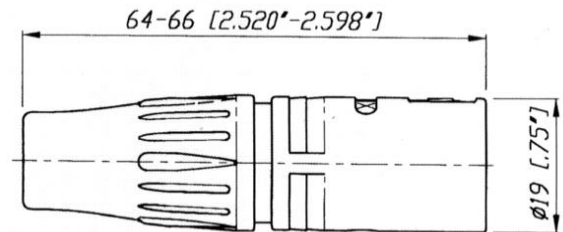
Materials:

**Shell:** ZnA14Cu1, gal Ni over Cu plating  
**Insert:** PA 6.6 30% GR (class reinforced)  
**Contacts:**  
    Female: CuSn6  
    Male: CuZn39Pb3  
**Contact surface:** Gal 2  $\mu$ m Ag or gal 0.2  $\mu$ m Au hard alloy over 1  $\mu$ m Ni  
**Latch lock:** St3K32(latch) and CK67(spring)  
**Anti-kink bushing:** PA 6.6 GR

Dimensions:



**NC3FX**



**NC3MX**

Neutrik Part Number	Description
NC3MX	3 pole cable plug
NC3FX	3 pole cable socket