

## Professional DMX AES/EBU Cable Assemblies

2 × 0.22 mm<sup>2</sup> / AWG24 or 2 × 0.34 mm<sup>2</sup> / AWG22  
with 3- or 5-pin XLR connectors

When flawless signal transmission is critical—on stage, in the studio, or across complex installations—the NEUTRIK® Professional DMX AES/EBU Cable Assemblies deliver exactly what professionals need. Designed for digital lighting control (DMX512/DMX512-A) and digital audio interconnects (AES/EBU), these cable assemblies ensure stable, interference-resistant performance in any professional environment.

Whether you're managing moving lights in a live show, integrating a theatre lighting grid, or routing audio control data in a broadcast facility, these assemblies provide extreme reliability with the build quality and signal consistency expected from Neutrik.





## Features & Benefits

- ✓ DMX512 & AES/EBU compliant
- ✓ Excellent EMC protection with dual shield (foil + braid) or high-coverage spiral shield
- ✓ Low capacitance & high signal integrity over long distances
- ✓ PVC jacket with high flexibility
- ✓ Available in standard lengths (0.5 m to 50 m) or custom on request

## Article Variants

Article name	Details	Order code
NKX3D122-X1X1-M0050	Cable: PROFESSIONAL DMX AES / EBU Foil + Braided Shield, 2 x 0.22 mm <sup>2</sup> / AWG 24 0.5m; Connectors: NC3FXX-B & NC3MXX-B	1039626
NKX3D122-X1X1-M0100	Cable: PROFESSIONAL DMX AES / EBU Foil + Braided Shield, 2 x 0.22 mm <sup>2</sup> / AWG 24 1m; Connectors: NC3FXX-B & NC3MXX-B	1039627
NKX3D122-X1X1-M0150	Cable: PROFESSIONAL DMX AES / EBU Foil + Braided Shield, 2 x 0.22 mm <sup>2</sup> / AWG 24 1.5m; Connectors: NC3FXX-B & NC3MXX-B	1039628
NKX3D122-X1X1-M0300	Cable: PROFESSIONAL DMX AES / EBU Foil + Braided Shield, 2 x 0.22 mm <sup>2</sup> / AWG 24 3m; Connectors: NC3FXX-B & NC3MXX-B	1039629
NKX3D122-X1X1-M0500	Cable: PROFESSIONAL DMX AES / EBU Foil + Braided Shield, 2 x 0.22 mm <sup>2</sup> / AWG 24 5m; Connectors: NC3FXX-B & NC3MXX-B	1039630
NKX3D122-X1X1-M1000	Cable: PROFESSIONAL DMX AES / EBU Foil + Braided Shield, 2 x 0.22 mm <sup>2</sup> / AWG 24 10m; Connectors: NC3FXX-B & NC3MXX-B	1039631
NKX3D122-X1X1-M1500	Cable: PROFESSIONAL DMX AES / EBU Foil + Braided Shield, 2 x 0.22 mm <sup>2</sup> / AWG 24 15m; Connectors: NC3FXX-B & NC3MXX-B	1039632

NKX3D122-X1X1-M2000	Cable: PROFESSIONAL DMX AES / EBU Foil + Braided Shield, 2 x 0.22 mm <sup>2</sup> / AWG 24 20m; Connectors: NC3FXX-B & NC3MXX-B	1039633
NKX3D134-X1X1-M0100	Cable: PROFESSIONAL DMX AES / EBU Spiral Shield, 2 x 0.34 mm <sup>2</sup> / AWG 22 1m; Connectors: NC3FXX-B & NC3MXX-B	1039634
NKX3D134-X1X1-M0150	Cable: PROFESSIONAL DMX AES / EBU Spiral Shield, 2 x 0.34 mm <sup>2</sup> / AWG 22 1.5m; Connectors: NC3FXX-B & NC3MXX-B	1039635
NKX3D134-X1X1-M0300	Cable: PROFESSIONAL DMX AES / EBU Spiral Shield, 2 x 0.34 mm <sup>2</sup> / AWG 22 3m; Connectors: NC3FXX-B & NC3MXX-B	1039636
NKX3D134-X1X1-M0500	Cable: PROFESSIONAL DMX AES / EBU Spiral Shield, 2 x 0.34 mm <sup>2</sup> / AWG 22 5m; Connectors: NC3FXX-B & NC3MXX-B	1039637
NKX3D134-X1X1-M1000	Cable: PROFESSIONAL DMX AES / EBU Spiral Shield, 2 x 0.34 mm <sup>2</sup> / AWG 22 10m; Connectors: NC3FXX-B & NC3MXX-B	1039638
NKX3D134-X1X1-M1500	Cable: PROFESSIONAL DMX AES / EBU Spiral Shield, 2 x 0.34 mm <sup>2</sup> / AWG 22 15m; Connectors: NC3FXX-B & NC3MXX-B	1039639
NKX3D134-X1X1-M2000	Cable: PROFESSIONAL DMX AES / EBU Spiral Shield, 2 x 0.34 mm <sup>2</sup> / AWG 22 20m; Connectors: NC3FXX-B & NC3MXX-B	1039640
NKX3D134-X1X1-M2500	Cable: PROFESSIONAL DMX AES / EBU Spiral Shield, 2 x 0.34 mm <sup>2</sup> / AWG 22 25m; Connectors: NC3FXX-B & NC3MXX-B	1039641
NKX3D134-X1X1-M3000	Cable: PROFESSIONAL DMX AES / EBU Spiral Shield, 2 x 0.34 mm <sup>2</sup> / AWG 22 30m; Connectors: NC3FXX-B & NC3MXX-B	1039642
NKX3D134-X1X1-M4000	Cable: PROFESSIONAL DMX AES / EBU Spiral Shield, 2 x 0.34 mm <sup>2</sup> / AWG 22 40m; Connectors: NC3FXX-B & NC3MXX-B	1039643

MI4000	Connectors: NC3FXX-B & NC3MXX-B	
NKX3D134-X1X1-M5000	Cable: PROFESSIONAL DMX AES / EBU Spiral Shield, 2 x 0.34 mm <sup>2</sup> / AWG 22 50m; Connectors: NC3FXX-B & NC3MXX-B	1039644
NKX5D122-X2X2-M0050	Cable: PROFESSIONAL DMX AES / EBU Foil + Braided Shield, 2 x 0.22 mm <sup>2</sup> / AWG 24 0.5m; Connectors: NC5FXX-B & NC5MXX-B	1039645
NKX5D122-X2X2-M0100	Cable: PROFESSIONAL DMX AES / EBU Foil + Braided Shield, 2 x 0.22 mm <sup>2</sup> / AWG 24 1m; Connectors: NC5FXX-B & NC5MXX-B	1039646
NKX5D122-X2X2-M0150	Cable: PROFESSIONAL DMX AES / EBU Foil + Braided Shield, 2 x 0.22 mm <sup>2</sup> / AWG 24 1.5m; Connectors: NC5FXX-B & NC5MXX-B	1039647
NKX5D122-X2X2-M0300	Cable: PROFESSIONAL DMX AES / EBU Foil + Braided Shield, 2 x 0.22 mm <sup>2</sup> / AWG 24 3m; Connectors: NC5FXX-B & NC5MXX-B	1039648
NKX5D122-X2X2-M0500	Cable: PROFESSIONAL DMX AES / EBU Foil + Braided Shield, 2 x 0.22 mm <sup>2</sup> / AWG 24 5m; Connectors: NC5FXX-B & NC5MXX-B	1039649
NKX5D122-X2X2-M1000	Cable: PROFESSIONAL DMX AES / EBU Foil + Braided Shield, 2 x 0.22 mm <sup>2</sup> / AWG 24 10m; Connectors: NC5FXX-B & NC5MXX-B	1039650
NKX5D122-X2X2-M1500	Cable: PROFESSIONAL DMX AES / EBU Foil + Braided Shield, 2 x 0.22 mm <sup>2</sup> / AWG 24 15m; Connectors: NC5FXX-B & NC5MXX-B	1039651
NKX5D122-X2X2-M2000	Cable: PROFESSIONAL DMX AES / EBU Foil + Braided Shield, 2 x 0.22 mm <sup>2</sup> / AWG 24 20m; Connectors: NC5FXX-B & NC5MXX-B	1039652
NKX5D134-X2X2-M0100	Cable: PROFESSIONAL DMX AES / EBU Spiral Shield, 2 x 0.34 mm <sup>2</sup> / AWG 22 1m; Connectors: NC5FXX-B & NC5MXX-B	1039653

NKX5D134-X2X2-M0150	Cable: PROFESSIONAL DMX AES / EBU Spiral Shield, 2 x 0.34 mm <sup>2</sup> / AWG 22 1.5m; Connectors: NC5FXX-B & NC5MXX-B	1039654
NKX5D134-X2X2-M0300	Cable: PROFESSIONAL DMX AES / EBU Spiral Shield, 2 x 0.34 mm <sup>2</sup> / AWG 22 3m; Connectors: NC5FXX-B & NC5MXX-B	1039655
NKX5D134-X2X2-M0500	Cable: PROFESSIONAL DMX AES / EBU Spiral Shield, 2 x 0.34 mm <sup>2</sup> / AWG 22 5m; Connectors: NC5FXX-B & NC5MXX-B	1039656
NKX5D134-X2X2-M1000	Cable: PROFESSIONAL DMX AES / EBU Spiral Shield, 2 x 0.34 mm <sup>2</sup> / AWG 22 10m; Connectors: NC5FXX-B & NC5MXX-B	1039657
NKX5D134-X2X2-M1500	Cable: PROFESSIONAL DMX AES / EBU Spiral Shield, 2 x 0.34 mm <sup>2</sup> / AWG 22 15m; Connectors: NC5FXX-B & NC5MXX-B	1039658
NKX5D134-X2X2-M2000	Cable: PROFESSIONAL DMX AES / EBU Spiral Shield, 2 x 0.34 mm <sup>2</sup> / AWG 22 20m; Connectors: NC5FXX-B & NC5MXX-B	1039659
NKX5D134-X2X2-M2500	Cable: PROFESSIONAL DMX AES / EBU Spiral Shield, 2 x 0.34 mm <sup>2</sup> / AWG 22 25m; Connectors: NC5FXX-B & NC5MXX-B	1039660
NKX5D134-X2X2-M3000	Cable: PROFESSIONAL DMX AES / EBU Spiral Shield, 2 x 0.34 mm <sup>2</sup> / AWG 22 30m; Connectors: NC5FXX-B & NC5MXX-B	1039661
NKX5D134-X2X2-M4000	Cable: PROFESSIONAL DMX AES / EBU Spiral Shield, 2 x 0.34 mm <sup>2</sup> / AWG 22 40m; Connectors: NC5FXX-B & NC5MXX-B	1039662
NKX5D134-X2X2-M5000	Cable: PROFESSIONAL DMX AES / EBU Spiral Shield, 2 x 0.34 mm <sup>2</sup> / AWG 22 50m; Connectors: NC5FXX-B & NC5MXX-B	1039663

## NKX3\* / NKX5\*



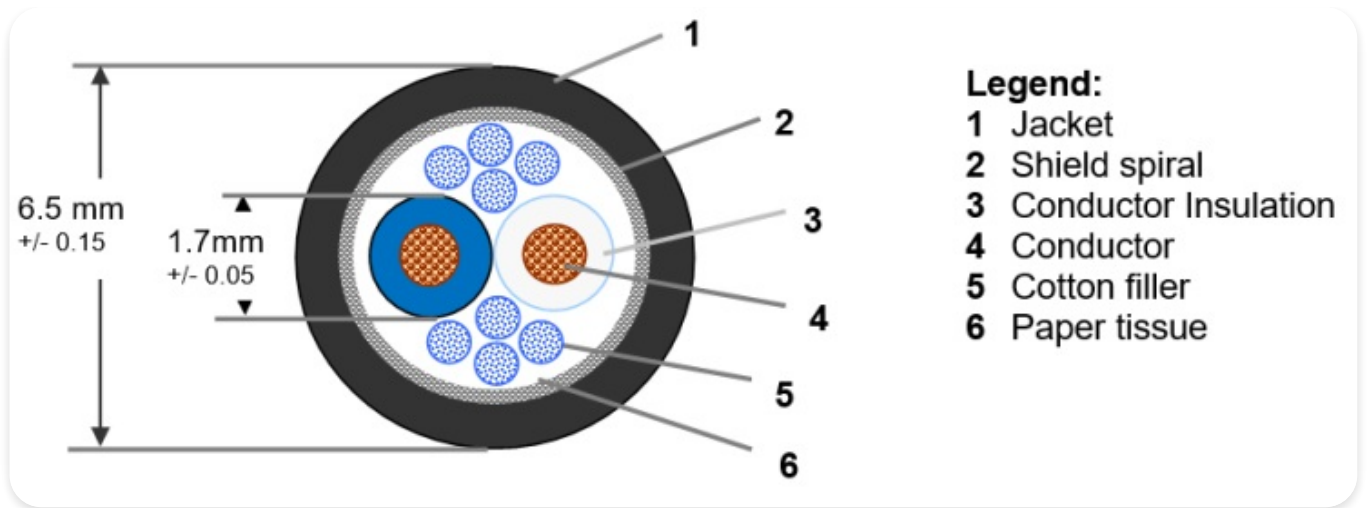
### Article Naming

**N K X 3 D 1 2 2 - X 1 X 1 - M 0 0 5 0**

<b>NEUTRIK XLR CABLE</b>		
<b>CONNECTOR TYPE</b>		
3 ..... 3 Pin Connectors		
5 ..... 5 Pin Connectors		
<b>CABLE TYPE</b>		
D1 ..... 1 DMX Channel (PVC Sheath)		
D2 ..... 2 DMX Channels (PVC Sheath)		
TD1 ..... 1 DMX Channel (PUR Sheath - TOP)		
TD2 ..... 2 DMX Channels (PUR Sheath - TOP)		
<b>CROSS SECTION TYPE</b>		
22 ..... 0.22mm <sup>2</sup> Cross Section Wires		
34 ..... 0.34mm <sup>2</sup> Cross Section Wires.		
<b>CONNECTOR COMBINATION</b>		
X1X1 ..... NC3FXX-B / NC3MXX-B		
X2X2 ..... NC5FXX-B / NC5MXX-B		
	<b>LENGTH</b>	
	M0050 ..... 0.5 m	
	M0100 ..... 1 m	
	M0150 ..... 1.5 m	
	M0300 ..... 3 m	
	M0500 ..... 5 m	
	M1000 ..... 10 m	
	M1500 ..... 15 m	
	M2000 ..... 20 m	
	M2500 ..... 25 m	
	M3000 ..... 30 m	
	M4000 ..... 40 m	
	M5000 ..... 50 m	
	<b>UNIT OF LENGTH</b>	
	Metric ..... in m	

**Legend:**

- 1 Jacket
- 2 Shield, braided 16/4/0.10
- 3 AL-PT Foil, AL side towards conductors.
- 4 Conductor Insulation
- 5 Conductor
- 6 Drain wire 7/0.2



## Technical Information

Product	
Title	Profesional DMX AES/EBU Cables Assemblies (NKX*D1*-X*X*-M*)
Product group	premium DATA CABLES
Product family	DATA CABLES
Connection type	NEUTRIK® XLR

<b>Electrical</b>	
<b>Characteristical impedance</b>	120 $\Omega$ @ 1 kHz (nominal)
<b>Attenuation</b>	2.0 dB/100 m @ 1 MHz (nominal)
<b>Capacitance</b>	Cable conductor to conductor: 55 pF/m @ 1 kHz Cable conductor to shield: 110 pF/m @ 1 kHz 3 Pin connector contact to contact: $\leq 4$ pF 5 Pin connector contact to contact: $\leq 7$
<b>Conductor resistance</b>	0.22 mm <sup>2</sup> /AWG 24: $\leq 80$ m $\Omega$ /m @ 20 °C (nominal) 0.34 mm <sup>2</sup> /AWG 22: $\leq 55$ m $\Omega$ /m @ 20 °C (nominal)
<b>Contact resistance</b>	$\leq 3$ m $\Omega$
<b>Insulation resistance</b>	Cable: $> 1$ G $\Omega$ /m @ 20 °C, 500 VDC Connector: $> 10$ G $\Omega$ (initial)
<b>Dielectric strenght</b>	Cable conductor to screen: 1000 VAC @ 50 Hz, 1 minute Connector: 1.5 kVDC

<b>Mechanical</b>	
Insertion force	≤ 20 N
Withdrawal force	≤ 20 N
Lifetime	min. 1000 mating cycles
Locking device	Latch lock
Minium bending radius	approx. 65 mm
Wiring	Soldered
Composition of conductor	0.22 mm <sup>2</sup> / AWG 24: 7 x 0.20 mm OFC 0.34 mm <sup>2</sup> / AWG 22: 19 x 0.15 mm OFC
Composition of drain wire	7 x 0.20 mm OFC (0.22 mm <sup>2</sup> / AWG 24 only)
Shielding	0.22 mm <sup>2</sup> / AWG 24: Foil + Braided (≥60%) 0.34 mm <sup>2</sup> / AWG 22: Spiral (≥95%)
Overall diameter	6.5 +/- 0.15 mm

<b>Material</b>	
Wire	Annealed copper
Wire Insulation	Foamed PE
Drain Wire	Tinned copper (0.22 mm <sup>2</sup> / AWG 24 only)
Filler	Cotton (0.34 mm <sup>2</sup> / AWG 22 only)
Shield	0.22 mm <sup>2</sup> / AWG 24: AL/PT Foil + Tinned Copper 0.34 mm <sup>2</sup> / AWG 22: Tinned Copper
Outer Jacket	PVC
Connector	See datasheets of NEUTRIK® NC3FXX-B, NC3MXX-B, NC5FXX-B, NC5MXX-B

Environmental	
Standard compliance	DMX512 / DMX512-A according to ANSI E1.11 AES/EBU according to AES3 RoHS according to 2011/65/EU
Ingress protection class	IP20
Temperature range	Mobile -10 °C to +70 °C Fixed: -20 °C to +70 °C