2 × 0.22 mm² / AWG24 or 2 × 0.34 mm² / AWG22 with 3- or 5-pin XLR connectors

Professional DMX AES/EBU Cable Assemblies

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.

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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 mm2 / 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 mm2 / AWG 24 1m; Connectors: NC3FXX-B & NC3MXX-B	1039627
NKX3D122-X1X1-M0150	Cable: PROFESSIONAL DMX AES / EBU Foil + Braided Shield, 2 x 0.22 mm2 / 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 mm2 / AWG 24 3m; Connectors: NC3FXX-B & NC3MXX-B	1039629
NKX3D122-X1X1-M0500	Cable: PROFESSIONAL DMX AES / EBU Foil + Braided Shield, 2 x 0.22 mm2 / AWG 24 5m; Connectors: NC3FXX-B & NC3MXX-B	1039630
NKX3D122-X1X1-M1000	Cable: PROFESSIONAL DMX AES / EBU Foil + Braided Shield, 2 x 0.22 mm2 / AWG 24 10m; Connectors: NC3FXX-B & NC3MXX-B	1039631
NKX3D122-X1X1-M1500	Cable: PROFESSIONAL DMX AES / EBU Foil + Braided Shield, 2 x 0.22 mm2 / AWG 24 15m; Connectors: NC3FXX-B & NC3MXX-B	1039632

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NKX3D122-X1X1-M2000	Cable: PROFESSIONAL DMX AES / EBU Foil + Braided Shield, 2 x 0.22 mm2 / AWG 24 20m; Connectors: NC3FXX-B & NC3MXX-B	1039633
NKX3D134-X1X1-M0100	Cable: PROFESSIONAL DMX AES / EBU Spiral Shield, 2 x 0.34 mm2 / AWG 22 1m; Connectors: NC3FXX-B & NC3MXX-B	1039634
NKX3D134-X1X1-M0150	Cable: PROFESSIONAL DMX AES / EBU Spiral Shield, 2 x 0.34 mm2 / AWG 22 1.5m; Connectors: NC3FXX-B & NC3MXX-B	1039635
NKX3D134-X1X1-M0300	Cable: PROFESSIONAL DMX AES / EBU Spiral Shield, 2 x 0.34 mm2 / AWG 22 3m; Connectors: NC3FXX-B & NC3MXX-B	1039636
NKX3D134-X1X1-M0500	Cable: PROFESSIONAL DMX AES / EBU Spiral Shield, 2 x 0.34 mm2 / AWG 22 5m; Connectors: NC3FXX-B & NC3MXX-B	1039637
NKX3D134-X1X1-M1000	Cable: PROFESSIONAL DMX AES / EBU Spiral Shield, 2 x 0.34 mm2 / AWG 22 10m; Connectors: NC3FXX-B & NC3MXX-B	1039638
NKX3D134-X1X1-M1500	Cable: PROFESSIONAL DMX AES / EBU Spiral Shield, 2 x 0.34 mm2 / AWG 22 15m; Connectors: NC3FXX-B & NC3MXX-B	1039639
NKX3D134-X1X1-M2000	Cable: PROFESSIONAL DMX AES / EBU Spiral Shield, 2 x 0.34 mm2 / AWG 22 20m; Connectors: NC3FXX-B & NC3MXX-B	1039640
NKX3D134-X1X1-M2500	Cable: PROFESSIONAL DMX AES / EBU Spiral Shield, 2 x 0.34 mm2 / AWG 22 25m; Connectors: NC3FXX-B & NC3MXX-B	1039641
NKX3D134-X1X1-M3000	Cable: PROFESSIONAL DMX AES / EBU Spiral Shield, 2 x 0.34 mm2 / AWG 22 30m; Connectors: NC3FXX-B & NC3MXX-B	1039642
NKX3D134-X1X1-M4000	Cable: PROFESSIONAL DMX AES / EBU Spiral Shield, 2 x 0.34 mm2 / AWG 22 40m;	1039643

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M4000	Connectors: NC3FXX-B & NC3MXX-B	
NKX3D134-X1X1-M5000	Cable: PROFESSIONAL DMX AES / EBU Spiral Shield, 2 x 0.34 mm2 / AWG 22 50m; Connectors: NC3FXX-B & NC3MXX-B	1039644
NKX5D122-X2X2-M0050	Cable: PROFESSIONAL DMX AES / EBU Foil + Braided Shield, 2 x 0.22 mm2 / 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 mm2 / AWG 24 1m; Connectors: NC5FXX-B & NC5MXX-B	1039646
NKX5D122-X2X2-M0150	Cable: PROFESSIONAL DMX AES / EBU Foil + Braided Shield, 2 x 0.22 mm2 / 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 mm2 / AWG 24 3m; Connectors: NC5FXX-B & NC5MXX-B	1039648
NKX5D122-X2X2-M0500	Cable: PROFESSIONAL DMX AES / EBU Foil + Braided Shield, 2 x 0.22 mm2 / AWG 24 5m; Connectors: NC5FXX-B & NC5MXX-B	1039649
NKX5D122-X2X2-M1000	Cable: PROFESSIONAL DMX AES / EBU Foil + Braided Shield, 2 x 0.22 mm2 / AWG 24 10m; Connectors: NC5FXX-B & NC5MXX-B	1039650
NKX5D122-X2X2-M1500	Cable: PROFESSIONAL DMX AES / EBU Foil + Braided Shield, 2 x 0.22 mm2 / AWG 24 15m; Connectors: NC5FXX-B & NC5MXX-B	1039651
NKX5D122-X2X2-M2000	Cable: PROFESSIONAL DMX AES / EBU Foil + Braided Shield, 2 x 0.22 mm2 / AWG 24 20m; Connectors: NC5FXX-B & NC5MXX-B	1039652
NKX5D134-X2X2-M0100	Cable: PROFESSIONAL DMX AES / EBU Spiral Shield, 2 x 0.34 mm2 / AWG 22 1m; Connectors: NC5FXX-B & NC5MXX-B	1039653

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NKX5D134-X2X2-M0150	Cable: PROFESSIONAL DMX AES / EBU Spiral Shield, 2 x 0.34 mm2 / AWG 22 1.5m; Connectors: NC5FXX-B & NC5MXX-B	1039654
NKX5D134-X2X2-M0300	Cable: PROFESSIONAL DMX AES / EBU Spiral Shield, 2 x 0.34 mm2 / AWG 22 3m; Connectors: NC5FXX-B & NC5MXX-B	1039655
NKX5D134-X2X2-M0500	Cable: PROFESSIONAL DMX AES / EBU Spiral Shield, 2 x 0.34 mm2 / AWG 22 5m; Connectors: NC5FXX-B & NC5MXX-B	1039656
NKX5D134-X2X2-M1000	Cable: PROFESSIONAL DMX AES / EBU Spiral Shield, 2 x 0.34 mm2 / AWG 22 10m; Connectors: NC5FXX-B & NC5MXX-B	1039657
NKX5D134-X2X2-M1500	Cable: PROFESSIONAL DMX AES / EBU Spiral Shield, 2 x 0.34 mm2 / AWG 22 15m; Connectors: NC5FXX-B & NC5MXX-B	1039658
NKX5D134-X2X2-M2000	Cable: PROFESSIONAL DMX AES / EBU Spiral Shield, 2 x 0.34 mm2 / AWG 22 20m; Connectors: NC5FXX-B & NC5MXX-B	1039659
NKX5D134-X2X2-M2500	Cable: PROFESSIONAL DMX AES / EBU Spiral Shield, 2 x 0.34 mm2 / AWG 22 25m; Connectors: NC5FXX-B & NC5MXX-B	1039660
NKX5D134-X2X2-M3000	Cable: PROFESSIONAL DMX AES / EBU Spiral Shield, 2 x 0.34 mm2 / AWG 22 30m; Connectors: NC5FXX-B & NC5MXX-B	1039661
NKX5D134-X2X2-M4000	Cable: PROFESSIONAL DMX AES / EBU Spiral Shield, 2 x 0.34 mm2 / AWG 22 40m; Connectors: NC5FXX-B & NC5MXX-B	1039662
NKX5D134-X2X2-M5000	Cable: PROFESSIONAL DMX AES / EBU Spiral Shield, 2 x 0.34 mm2 / AWG 22 50m; Connectors: NC5FXX-B & NC5MXX-B	1039663

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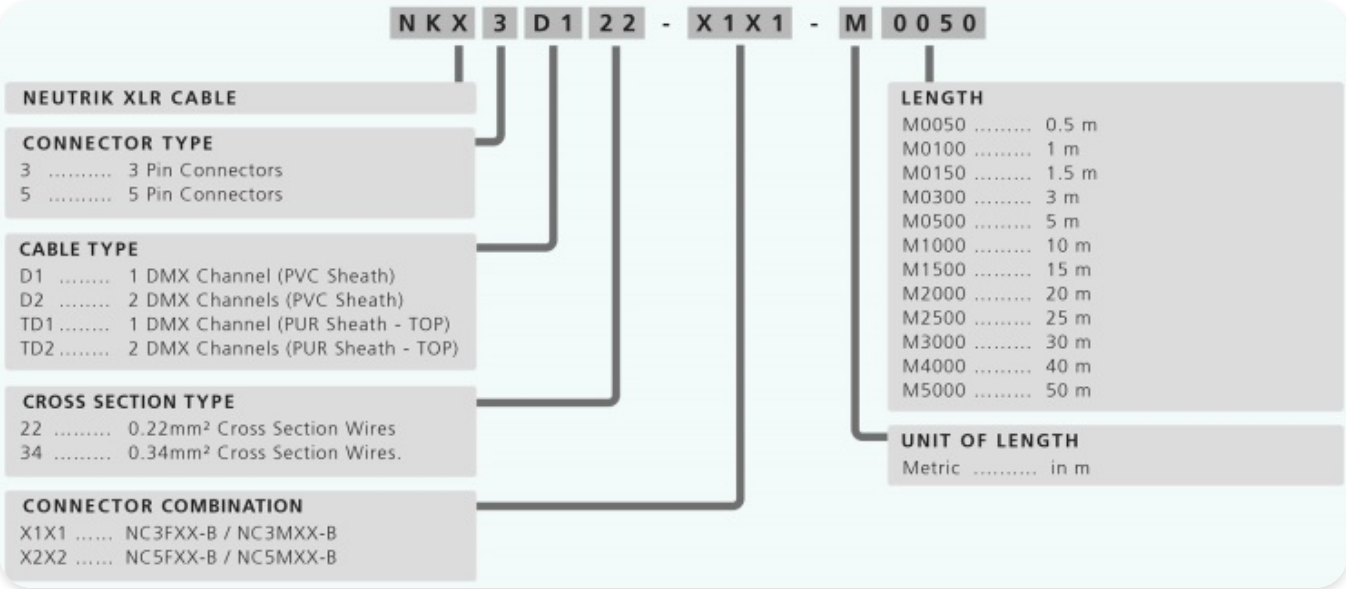
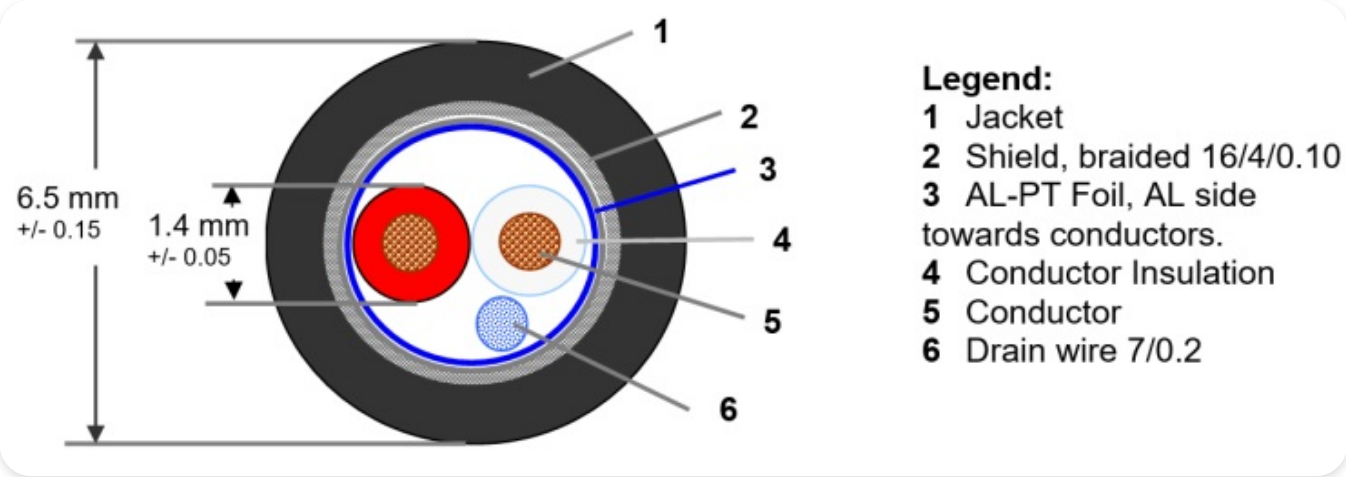
NKX3 / NKX5

Partnumber Breakdown





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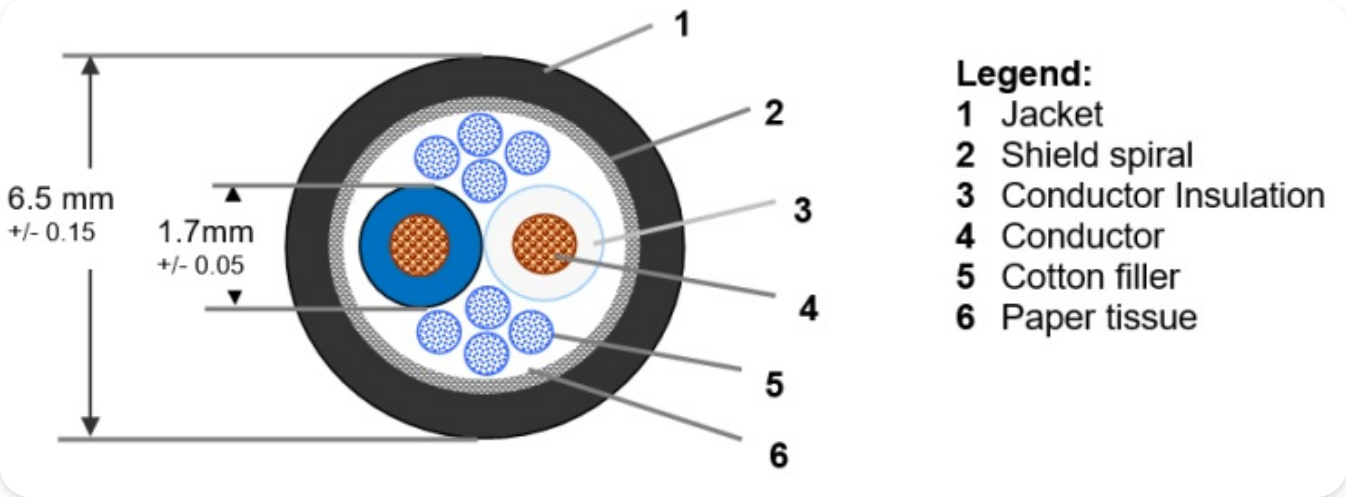

Technical Information

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

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Electrical	
Characteristical impedance	120 Ω @ 1 kHz (nominal)
Attenuation	2.0 dB/100 m @ 1 MHz (nominal)
Capacitance	Cable conductor to conductor: 55 pF/m @ 1 kHz Cable conductor to shield: 110 pF/m @ 1 kHz 3 Pin connector contact to contact: ≤ 4 pF 5 Pin connector contact to contact: ≤ 7 "
Conductor resistance	0.22 mm²/AWG 24: ≤ 80 mΩ/m @ 20 °C (nominal) 0.34 mm²/AWG 22: ≤ 55 mΩ/m @ 20 °C (nominal)
Contact resistance	≤ 3 mΩ
Insulation resistance	Cable: > 1 GΩ/m @ 20 °C, 500 VDC Connector: > 10 GΩ (initial)
Dielectric strenght	Cable conductor to screen: 1000 VAC @ 50 Hz, 1 minute Connector: 1.5 kVDC

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Mechanical	
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 mm² / AWG 24: 7 x 0.20 mm OFC 0.34 mm² / AWG 22: 19 x 0.15 mm OFC"
Composition of drain wire	7 x 0.20 mm OFC (0.22 mm² / AWG 24 only)
Shielding	0.22 mm² / AWG 24: Foil + Braided (≥60%) 0.34 mm² / AWG 22: Spiral (≥95%)
Overall diameter	6.5 +/- 0.15 mm

Material	
Wire	Annealed copper
Wire Insulation	Foamed PE
Drain Wire	Tinned copper (0.22 mm² / AWG 24 only)
Filler	Cotton (0.34 mm² / AWG 22 only)
Shield	"0.22 mm² / AWG 24: AL/PT Foil + Tined Copper 0.34 mm² / AWG 22: Tinned Copper"
Outer Jacket	PVC
Connector	See datasheets of NEUTRIK® NC3FXX-B, NC3MXX-B, NC5FXX-B, NC5MXX-B

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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"

Accessories	SCMX-TOP SCFX-TOP

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