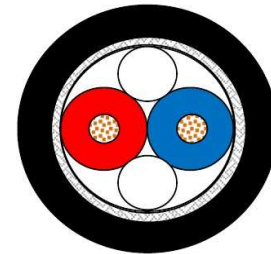


Document status	Product family	Nominal build	Revision
Issued for technical reference	DMX cable	2 x 0.25 mm ² / AWG23 / 120 Ohm	03/2026 - Rev. A

CONSTRUCTION	
Conductor	2 x 0.25 mm ² OFC conductors, AWG24, bare copper, 14 x 0.15 mm stranding. Class 5 flexible construction per IEC 60228 / CEI 20-29. Flexible conductor suitable for light dynamic applications.
Insulation	Polyethylene insulation , compliant with IEC 60092-360 and CEI EN 50363-2-1. Low-capacitance material suitable for analog and audio signal transmission. Excellent dielectric properties for minimal signal attenuation and high-frequency fidelity. Core colors: red, blue. Nominal insulation diameter: approx. 1.80 mm.
Cabling	Twisted cores in concentric layers with polyolefin filler and polyester separator.
Shield	Tinned copper braid shield with nominal optical coverage $\geq 90\%$, according to IEC 60096-1, including drain wire for grounding. Provides effective EMI protection in professional environments.
Outer sheath	Flexible PVC compound for 80 °C service temperature, compliant with VDE 0207 Part 5 and CEI EN 50363-4-1. Flame propagation test: IEC 60332-1 / CEI 20-11. Sheath color: black. Nominal overall diameter: approx. 5.6 mm. Good flexibility and mechanical durability for general-purpose applications.

Professional DMX and AES/EBU-style digital signal transmission where controlled impedance, low capacitance, shielding effectiveness and reliable handling performance are required.

SECTION VIEW



MECHANICAL	
Service temperature range	-20 °C to +80 °C
Fixed installation range	-40 °C to +80 °C
Minimum bend radius (in service)	15 x overall diameter
Minimum bend radius (fixed)	10 x overall diameter
Approx. cable weight	41 kg/km
Outer sheath hardness	60 Shore A

ELECTRICAL	
Conductor resistance	< 76 Ohm/km at 20 °C
Capacitance	45 pF at 20 °C
Nominal voltage	300 V
Insulation resistance	> 14 Gohm x km at 20 °C

COMPLIANCE	
RoHS	Directive 2011/65/EU, including subsequent amendments.
REACH	Regulation (EC) No. 1907/2006, including current SVHC list.
CE / EU market conformity	Designed for use in assemblies and systems placed on the EU market in accordance with applicable directives and product-level obligations, including examples such as 2014/35/EU and 2014/30/EU where relevant.