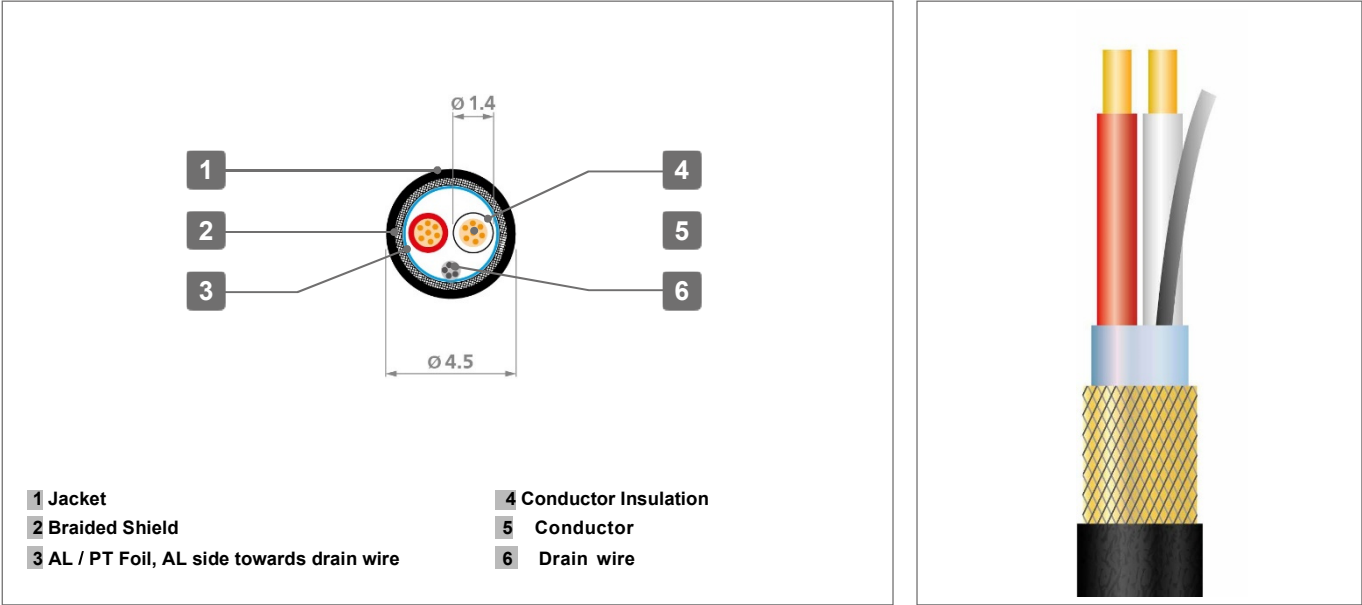


DMX-AES/EBU Data Cable 5.0mtr RD5MFX050

YDMX122-HP

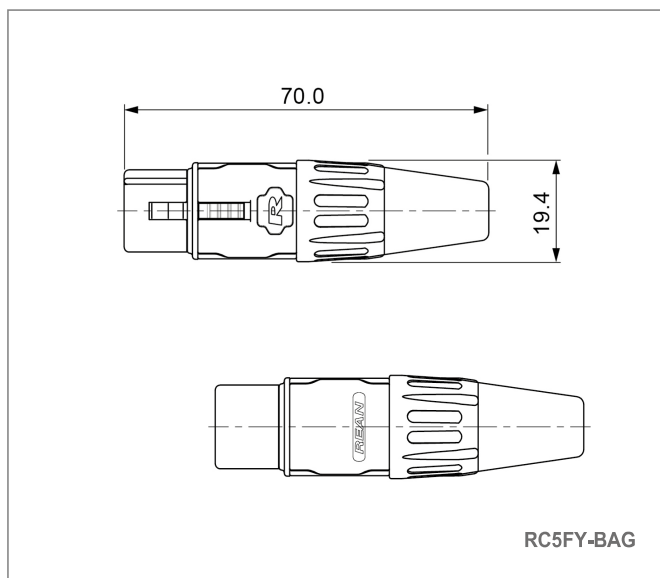
High Performance Data Cable according DMX512 / AES/EBU standard, O.D. 4.5 mm, 0.22 mm² / AWG 24



MECHANICAL SPECIFICATION		ELECTRICAL SPECIFICATION	
Composition of conductor	7 x 0.20 mm / 7 x AWG 32 Annealed bare copper, OFC standard	Nominal Characteristic Impedance	120 Ω – 1 MHz
Conductor insulation	Foamed PE \varnothing 1.4 mm	Nominal Attenuation	2.0 dB / 100 m – 1 MHz
Conductor color	Red & White	Capacitance 1 Conductor to Conductor	55 pF / m – 1 KHz
Drain wire	7 x 0.20 tinned copper OFC standard	Capacitance 2 Conductor to Shield	110 pF / m – 1 KHz
Composition of core	2 twisted conductors 40 mm one, turn +/- 5 mm; left hand	Nominal DC Conductor Resistance	80 m Ω / m – 20 °C
Foil shield	AL - PT Foil, Coverage 100% Conductive side (AL coated) towards conductors (inside), spiral wound	Insulation resistance	> 1 G Ω / m – 20 °C, 500 V _{DC}
Braided shield	16 strains of 4 wires each strain Tinned copper OFC, DM 0.1 mm Coverage \geq 60 %	Test voltage: Conductor / Screen	1.000 VAC – 50 Hz, 1 Minute
Overall jacket material	PVC with restricted Substance: Cadmium: < 5 PPM ("Cadmium free") Lead: < 50 PPM Mercury: < 2 PPM Chromium: Not contained		
Jacket colour	Black (other colours on request)		
Overall diameter	\varnothing 4.5 mm tolerance: +/- 0.15 mm		
Working temperature - Mobile - Fixed	-10 °C to +70 °C -20 °C to +70 °C		

XLR Female Cable Connectors

Y Series



FEATURES

- *Rugged zinc diecast shell - long lasting and reliable*
- *Unique cage type female contact - increases conductivity*
- *Chuck type strain relief - best cable retention, easy to assemble*
- *Rubber boot kink protection - guarantees best cable protection and offers long cable life*
- *Robust latch locking - provides secure connection*

CONNECTOR

Type No.	Description
RC5FY-BAG	XLR 5-pole female cable connector, black metal housing, silver plated contacts

REAN®

XLR Female Cable Connectors

TECHNICAL DATA

ELECTRICAL

Contact resistance	- initial	< 10 m Λ
	- after 1'000 mating cycles	< 20 m Λ
Ground contact resistance		< 100 m Λ
Dielectric strength		> 1 kV dc
Insulation resistance	- initial	> 1 G Λ
	- after damp heat test	> 0.1 G Λ

MECHANICAL

Lifetime	> 1'000 mating cycles
Mating force	< 50 N
Locking force (pull out locked connector)	> 250 N
Withdrawal force	< 20 N
Strain relief force (depending on cable O.D.)	> 100 N
Cable O.D. range	4.0 - 8.0 mm
Wiring type	Soldering
Max. wire size	2.5 mm ² / AWG 14

MATERIAL

Shell (housing)	Zinc diecast
Shell plating	Ag
Insert	Nylon
Contacts	Bronze
Contact plating	Tin-cerium
Latch lock	Zinc diecast / CK67 (spring)
Latch lock plating	Ni
Strain relief (chuck)	POM
Bushing	Nylon
Boot	Nylon

ENVIRONMENTAL

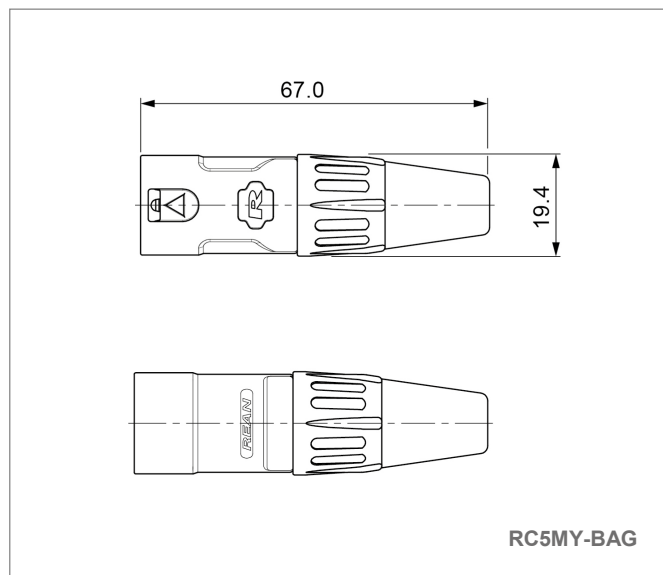
Operating temperature	-20 °C to +70 °C
Protection class	IP 40
Solderability	Complies with IEC 68-2-20
Manufacturing standard	Complies with IEC 61076-2-103

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REAN®

XLR Male Cable Connectors

Y Series



FEATURES

- *Rugged zinc diecast shell - long lasting and reliable*
- *Chuck type strain relief - best cable retention, easy to assemble*
- *Rubber boot kink protection - guarantees best cable protection and offers long cable life*
- *Robust latch locking - provides secure connection*

CONNECTOR

Type No.	Description
RC5MY-BAG	XLR 5-pole male cable connector, black metal housing, silver plated contacts

REAN®

XLR Male Cable Connectors

TECHNICAL DATA

ELECTRICAL

Contact resistance	- initial	< 10 mΛ
	- after 1'000 mating cycles	< 20 mΛ
Ground contact resistance		< 100 mΛ
Dielectric strength		> 1 kV dc
Insulation resistance	- initial	> 1 GΛ
	- after damp heat test	> 0.1 GΛ

MECHANICAL

Lifetime	> 1'000 mating cycles
Mating force	< 50 N
Locking force (pull out locked connector)	> 250 N
Withdrawal force	< 20 N
Strain relief force (depending on cable O.D.)	> 100 N
Cable O.D. range	4.0 - 8.0 mm
Wiring type	Soldering
Max. wire size	2.5 mm² / AWG 14

MATERIAL

Shell (housing)	Zinc diecast
Shell plating	Ag
Insert	Nylon
Contacts	Brass
Contact plating	Tin-cerium
Strain relief (chuck)	POM
Bushing	Nylon
Boot	Nylon

ENVIRONMENTAL

Operating temperature	-20 °C to +70 °C
Protection class	IP 40
Solderability	Complies with IEC 68-2-20
Manufacturing standard	Complies with IEC

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