

SES-XCAT Datasheet

DESCRIPTION:

Sescom's SES-XCAT series features a 1RU breakout box containing (16) 3-pin XLRs that adapt to (4) RJ45s wired according to AES72/Type 20 standards. The 16 XLR channels are split equally between the RJ45 channels and marked accordingly for easy channel identification. The SES-XCAT series is an ideal solution for interconnecting multichannel XLR runs with wired AES72/Type 20 RJ45 connectors. This series is available with 8 Female and 8 Male, 8 Male and 8 Female, 16 Female or 16 Male XLR connectors.

FEATURES:

- 16 High-Quality 3-pin Neutrik XLR connectors
- All channels are marked on the front and back of the enclosure for easy identification
- RJ45 is wired according to AES72/Type 20 standards
- Lightweight 1RU aluminum enclosure



SES-XCAT-8F8M-1U



SES-XCAT-8M8F-1U



SES-XCAT-16M-1U



SES-XCAT-16F-1U

AES-72-20 Pinout Diagram

RJ45 Pin	1	2	3	4	5	6	7	8
T568A	Wh/Grn	Green	Wh/Org	Blue	Wh/Blu	Orange	Wh/Brn	Brown
T568B	Wh/Org	Orange	Wh/Grn	Blue	Wh/Blu	Green	Wh/Brn	Brown
AES-72-20 Red Adapters	Channel 2+	2-	3+	1-	1+	3-	4+	4-
XLR Pin	2 - Hot	3 - Cold	2 - Hot	3 - Cold	2 - Hot	3 - Cold	2 - Hot	3 - Cold

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SPECIFICATIONS:

Neutrik 3-Pin XLR Connectors:

- **Capacitance Between Contacts:** ≤ 4 pF
- **Contact Resistance:** ≤ 6 m Ω
- **Dielectric Strength:** 1,5 kVdc
- **Insulation Resistance:** > 10 G Ω (initial)
- **Rated Current per Contact:** 6A
- **Rated voltage:** < 50 V
- **Insertion Force:** ≤ 20 N
- **Withdrawal Force:** ≤ 20 N
- **Lifetime:** > 1000 mating cycles
- **Locking Device:** Latch lock
- **Contact Material:**
 - **Male:** Brass (CuZn39Pb3)
 - **Female:** Bronze (CuSn6)
- **Shell Material:** Polyamide (PA 6.6 30 % GR)
- **Locking Element:** Steel Ck67
- **Temperature Range:** -22°F to 176°F (-30 °C to +80 °C)

Neutrik etherCON RJ45 Connector:

- **Gender:** Female
- **Contact Resistance:** < 50 m Ω
- **Dielectric Strength:** 1 kVdc
- **Frequency Range:** 1 - 100 MHz
- **Insulation Resistance:** > 0.5 G Ω
- **Rated Current per Contact:** 1,5 A
- **Rated Voltage:** ≤ 57 V
- **Insertion Force:** ≤ 20 N
- **Withdrawal Force:** ≤ 20 N
- **Lifetime:** > 1000 mating cycles
- **Contact Plating:** 0.2 μ m Au over Ni plating
- **Contact Material:** Bronze (CuSn8)
- **Insert Material:** PBTP 15 % GR
- **Shell Material:** Zinc diecast (ZnAl4Cu1)
- **Shell Plating:** Black KTL
- **Temperature Range:** -22°F to 176°F (-30 °C to +80 °C)