



NE8MXR1-B-TOP

Introducing the latest innovation in ethernet connectivity, expanding the NEUTRIK etherCON® TOP portfolio. Designed to withstand the harshest outdoor conditions, this connector combines durability with versatility, ensuring reliable performance in any environment and application.

With this unique design, the TOP (TRUE OUTDOOR PROTECTION) connector allows for the shell to be fully retracted for the first time, providing compatibility with standard RJ45 receptacles. This feature allows flexible and universal usage in various applications, removing the risk of lost shells.

Please note that the RJ45 carrier cable connector includes a CAT6_A RJ45 plug and a wire manager. It is designed for the use with non-preassembled cables only.

ATTENTION: Does not intermate with the CAT6 receptacle NE8FDY-C6 and NE8FDY-C6-B.

Features & Benefits

- ✓ Retractable carrier shell allows compatibility with common RJ45 without the risk of losing the shell.
- ✓ Rugged diecast shell and unique chuck type strain relief for harsh environments
- ✓ IP65 ingress protection class with closed sealing cap (SCMX-TOP) or in mated condition with NEUTRIK® etherCON® TOP receptacles
- ✓ UV resistant F2 certified materials (with UL yellow card)

- ✓ Corrosion resistant plating and materials
- ✓ Flame resistant V0 rated connector
- ✓ Halogen free materials to protect humans and the environment - no toxic or corrosive gases are released
- ✓ Designed to prevent breakage of the fragile components of standard RJ45 connectors
- ✓ CAT6_A RJ45 plug and a wire manager is included with this product.
- ✓ Allows assembly of non-preassembled conventional RJ45 cables

Technical Information

Product	
Title	NE8MXR1-B-TOP
Product Family	etherCON®
Connection Type	RJ45 carrier cable connector
Gender	Male
IMPORTANT	Cable connectors include a CAT6A RJ45 plug and a wire manager. RJ45 cable assembly must be provided by the end user!

Mechanical

Compatible crimping tools	Hirose HT603/TM21P-88P Hanlong HT-236 with HT-236Q1A CANARE TC-RJ1
Cable O.D.	5.5 - 8.0 mm
Wiresize	AWG26/1 – AWG 27/1 (solid) AWG24/7 – AWG 27/7 (stranded)
Insertion Force	≤ 30 N
Withdrawal Force	≤ 30 N
Lifetime	min. 1000 mating cycles min.100 retracting cycles

Material

Boot	Thermoplastic elastomer (TPE)
Shell	Zinc diecast(ZnAl4Cu1)
Strain Relief	Polyketon (PK)
Sleeve	Polyamid (PA6, GF15%)

Environmental

Protection Class	IP65 (mated) IP65 (closed sealing cap)
Temperature Range	-30 °C to +80 °C