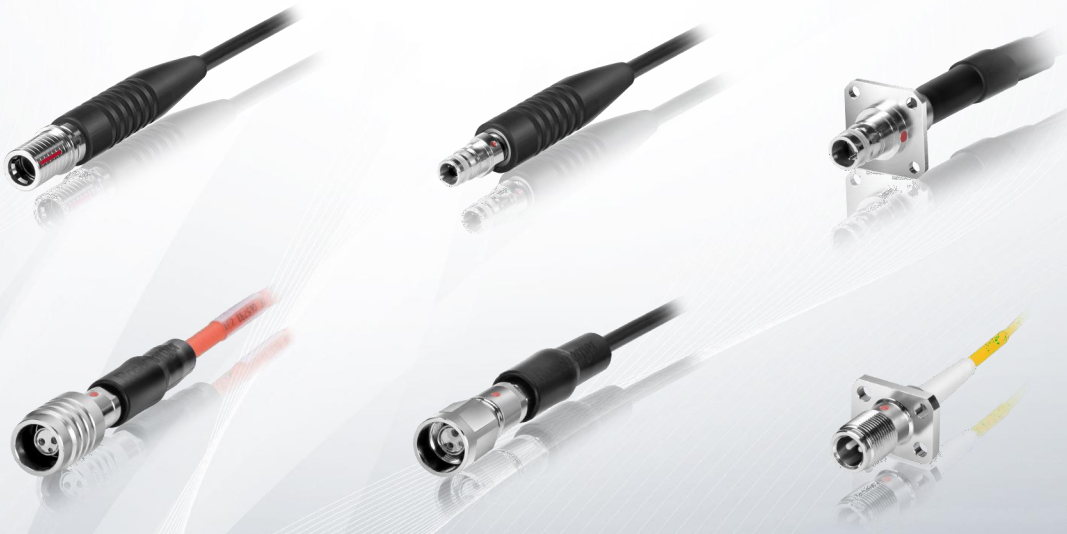


# Q-RMC & NEX10-FO Series Fiber Cables Datasheet

IDEAL FOR OUTDOOR OR HARSH ENVIRONMENT



## Q-RMC & NEX10-FO Series Fiber Cables

The Q-RMC & NEX10-FO series fiber connectors are protected by metal casing and have the characteristics of waterproof, dustproof, and corrosion resistance. They have a push-pull quick-locking mechanism for easy installation without tools, a screw-locking mechanism for firm connection, and a red mark alignment function for fast blind-mating connection. Therefore, it is ideal for outdoor or harsh environments.

## Standards Compliance

- ISO 9001
- ISO 14001
- IP 67
- IEC 61300-2-26
- IEC 61300-2-1

## Features

- Push-pull quick locking mechanism for easy installation without tools
- Screw-locking mechanism for firm connection (only screw type plug)
- Red mark alignment function for fast blind-mating connection
- Corrosion resistance: Comply with IEC 61300-2-26 & Pass the 720h salt mist
- IP67 rating waterproof and dustproof

## Technical Specification

Physical Characteristics	Description
<b>Connector Type</b>	LC/LCD/ST/SC/FC/SCD/MU/LSH/LC Uniboot/Q-RMC/NEX10-FO
<b>Tensile Resistance</b>	70N (Long Term) 200N (Short Term)
<b>Crush Strength (Cables)</b>	≥100N/10cm (Indoor) ≥3000 N/10cm (Outdoor)
<b>Minimum Bend Radius (Cables)</b>	30mm (Indoor) 50mm (Outdoor)
<b>Connector Body</b>	Brass Alloy, nickel plated (NEX10-FO & Q-RMC)
<b>Connector Ferrule</b>	ZrO <sub>2</sub> (NEX10-FO) PPS (Q-RMC)
<b>Sealing Elements</b>	Silicone Rubber

Mechanical Characteristics	Description
<b>Fiber Type</b>	SMF (G.652.D) /MMF
<b>Fiber Count</b>	4-24 Fibers (Q-RMC) 2 Fibers (NEX10-FO)
<b>Cable Jacket</b>	LSZH/PVC/PE/PUR/TPU
<b>Jacket Color</b>	Customized
<b>Mating Cycles</b>	≥100 times (Q-RMC) ≥500 times (NEX10-FO)

Optical Characteristics	Description
<b>Insertion Loss (SMF)</b>	≤0.5 dB@1310/1550nm (NEX10-FO) ≤0.8 dB@1310/1550nm (Q-RMC)
<b>Return Loss (SMF)</b>	≥50 dB@1310/1550nm (NEX10-FO) ≥50 dB@1310/1550nm (Q-RMC)
<b>Insertion Loss (MMF)</b>	≤0.5 dB@850/1300nm (NEX10-FO) ≤0.7 dB@850/1300nm (Q-RMC)
<b>Return Loss (MMF)</b>	≥20 dB@850/1300nm(NEX10-FO) ≥20 dB@850/1300nm(Q-RMC)

Environmental Characteristics	Description
<b>Operating &amp; Storage Temperature (Cables)</b>	-40~80°C (Outdoor) -20~60°C (Indoor)
<b>Installation Temperature (Cables)</b>	-10~60°C (Indoor)- 10~65°C (Outdoor)
<b>Operating &amp; Storage Temperature (Connectors)</b>	-40~80°C
<b>Ingress Protection (Mated)</b>	IP67 (IEC 60529)
<b>Salt Mist</b>	720 Hours passed (IEC 61300-2-26)
<b>Vibration Test</b>	IEC 61300-2-1

## Optic Fiber Connectors Introduction

Series	Images	Connector Name	Typical Applications
Q-RMC		Unlock Sleeve Plug	Industrial Sites, Mine Field, Mobile Communication (FTTA), 5G Base Stations, Broadcast, Smart Grid Cabling
Q-RMC		Square Flange Socket	Industrial Sites, Mine Field, Mobile Communication (FTTA), 5G Base Stations, Broadcast, Smart Grid Cabling
Q-RMC		Double-sided Milling Flat Socket	Industrial Sites, Mine Field, Mobile Communication (FTTA), 5G Base Stations, Broadcast, Smart Grid Cabling
NEX10-FO		Square Flange Socket	Industrial Sites, Mine Field, Small Sells, 5G Base Stations, Distributed Antenna Systems(DAS), In-building Architecture, and MIMO
NEX10-FO		Screw Type Plug	Industrial Sites, Mine Field, Small Sells, 5G Base Stations, Distributed Antenna Systems(DAS), In-building Architecture, and MIMO
NEX10-FO		Pushpull Plug	Industrial Sites, Mine Field, Small Sells, 5G Base Stations, Distributed Antenna Systems(DAS), In-building Architecture, and MIMO



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