



IP CONNECTORS



20 YEARS

A HISTORY OF SERVICE, A FUTURE OF INNOVATION.

Founded in 1998 and based in Huizhou, with branches in Shenzhen and US. XDK is an accredited national high-tech enterprise. We specialize in manufacturing and create value to our partners through our solutions and products range.

XDK brings an extensive range of advanced and optical fiber cable solutions to the infrastructure, industry and building markets. Its cables and systems can be found in every area of people's lives, from telecommunications and energy networks, to aeronautics, aerospace, automobiles, railways, buildings, petrochemicals, medical applications, etc...

75 partners over 50 countries

Providing connectivity solutions to more than 30 million people

VISIT OUR FACILITIES

ANYTIME DURING THE YEAR



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INTERNATIONAL MANAGEMENT TEAM



FEATURES AND APPLICATION

- Industrial standard : Q/21EJ1305 connector size comply with GJB599A standard
- (MIL-DTL-38999): performance meet with ARINC801 standard
- Outer casing can choose different materials and coatings to adapt to different environmental requirements
- Five key location, there are blind mating and error proofing interpolation function
- Three Screw thread quick connect, and with anti-release mechanism
- Ceramic pin and sleeve contacts to achieve precision docking
- There are many variations of the optional rear
- With adapter socket (optional hermetic seal) form, get rid of the shackles of cable

CONNECTOR PARAMETER

INSERTION LOSS	≤0.6dB
WORKING TEMPERATURE	- 55 °C ~ + 85 °C
VIBRATION	10Hz ~ 2000Hz, power spectral density 0.4G2 / Hz
SHOCK	2940 m/s ² , duration of 3ms, the rate of change of velocity 2.96m/s
MECHANICAL LIFE	500 Times
TENSILE STRENGTH	≥68N(2mm contacts jumper)
GAS TIGHTNESS (APPLIES TO AIRTIGHT ADAPTER SOCKET)	gas leakage≤1×10 ⁻⁹ Pa.m ³ /s, external pressure is 1 atm
SALT MIST	≥1000h stainless steel, aluminum, cadmium plated ≥48h (aluminum nickel-plated)



MAINLY USED FOR

The J599 A8-4 is suitable for aviation, electronics, ships and other systems(multi-channel optical communication)

CABLE PARAMETER

CABLE OD.	4mm;7mm(or Customize)
OUTER SHEATH	TPU (or LSZH)
ANTI-PUSH UNIT	KEVLAR
FIBER TYPE	9/125,50/125,62.5/125
FIBER OUTER	900um Tight tube fiber
STRETCHING RESISTANCE	Short Period: 1200N Long Period:600N
OPERATION TEMP	-40℃~85℃



OVERVIEW

MPO outdoor waterproof optical fiber connector with J599 shell and MPO/MTP optical fiber connector, joints with three thread fast connection, and adapt with Five keys locate at the same time, blind insertion and error proofing in and anti vibration function, connector made of stainless steel 316L material, contact parts of high density, anti electromagnetic shielding function, fiber optic assemblies detachable, convenient installation, small connector loss, high reliability, is waterproof, dustproof, anti - corrosive characteristics.

MAINLY USED FOR

- marine equipment communications
- airborne equipment
- acid and alkali
- hydrochloric acid
- wet and other harsh environment
- military communications and outdoor adverse environmental communications.

CONNECTOR PARAMETER

INSERTION LOSS	SM	$\leq 0.7\text{dB}$ (Typical $\leq 0.3\text{dB}$)
	MM	$\leq 0.6\text{dB}$ (Typical $\leq 0.2\text{dB}$)
RETURN LOSS	SM	$\geq 50\text{dB}$
MECHANICAL	PLUG	$\leq 500\text{N}$ (Main Cable)
	SOCKET	$\leq 30\text{N}$ (Branch Cable)
OPERATION TEMP		$-40\text{ }^{\circ}\text{C} \sim 85\text{ }^{\circ}\text{C}$
IP RATE		IP67



CABLE PARAMETER

CABLE OD.	5.0mm
OUTER SHEATH	TPU OR LSZH
ANTI-PUSH UNIT	KEVLAR
FIBER TYPE	9/125,50/125,62.5/125
FIBER OUTER	9/125/250um fiber
TENSILE STRENGTH	Short term 600N/ Long term : 200N
OPERATION TEMP	-40 °C ~85 °C

Make internet The thing

1998

Be The Leading factory in China, while feeding the international market

2003

2008



Leading the European and American Market

Next Generation

2013



Our products are available in
50+ countries

2017



Creating Connectivity
Solutions

**Write the next chapter
with us!**

visit: www.xdkgroup.com



FEATURES AND APPLICATION

Designed for military field fiber optic cable supporting, neutral bayonet locking structure can be realized head and seat, head and head, seat and seat fast any connection. With multi-core once connected and blind insertion; connection loss, high reliability; rugged, waterproof, dustproof, resistance to harsh environments, etc., can be used in a variety of optical fiber communication network field army, military computer systems, airborne or ship borne equipment, repair and other outdoor optical cable system temporary connection.

MAINLY USED FOR

- Military emergency communications
- Broadcast television
- Emergency rush through optical fiber communications
- Mining, oil and so on

CONNECTOR PARAMETER

INSERTION LOSS	SM	$\leq 1.0\text{dB}$ (Typical $\leq 0.5\text{dB}$)
	MM	$\leq 1.0\text{dB}$ (Typical $\leq 0.3\text{dB}$)
RETURN LOSS	SM	50dB
MECHANICAL	PLUG	$\leq 1000\text{N}$ (Main cable)
	SOCKET	$\leq 100\text{N}$ (Branch cable)
OPERATION TEMP		-40 °C ~ 85°C
IP RATE		IP67



CABLE PARAMETER

CABLE OD.	4.0mm 7.5mm (or Customize)
OUTER SHEATH	TPU or PVC
ANTI-PUSH UNIT	KEVLAR
FIBER TYPE	9/125,50/125,62.5/125
FIBER OUTER	900um fiber
STRETCHING RESISTANCE	Short Period : 600N Long Period:200N
OPERATION TEMP	-40 °C ~85 °C

WE'VE MADE OF RAILWAY, SHIPS, COAL MINE COMMUNICATION SYSTEM OUR PRIORITIES



FEATURES AND APPLICATION

High strength stainless steel housing is suitable for all kinds of bad environment, waterproof level as high as IP68, five key design ensure that optical fiber can accurately locate docking, often period and reliable work.

CONNECTOR PARAMETER

INSERTION LOSS	SM	$\leq 1.0\text{dB}$ (Typical $\leq 0.5\text{dB}$)
	MM	$\leq 0.3\text{dB}$ (Typical $\leq 0.3\text{dB}$,
RETURN LOSS	SM	50dB
MECHANICAL	PLUG	$\leq 1000\text{N}$ (Main cable)
	SOCKET	$\leq 100\text{N}$ (Branch cable)
OPERATION TEMP		-40 °C ~ 85 °C
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MAINLY USED FOR

- Emergency repair quick connection system
- Long-distance EFP fiber-way
- Mobile studio
- CNC 3D camera system
- Military communications system
- Railway, ships, coal mine communication system
- Emergency communication system


CABLE PARAMETER

CABLE OD.	4.0mm, 5.0mm, 7.5mm (or Customize)
OUTER SHEATH	TPU
ANTI-PUSH UNIT	KEVLAR
FIBER TYPE	9/125,50/125,62.5/125
FIBER OUTER	900um Tinht tube fiber
STRETCHING RESISTANCE	Short Period : 600N Long Period:200N
OPERATION TEMP	-40 °C~85 °C



20 YEARS OF EXPERTISE

In producing fiber optics and creating solutions for partners and the consumer market.



“Launching the African and South American market was quite a challenge we had to go on our own, train partners to let them have a better understanding of our solutions”

**Join us today and be part of the winning team
www.xdkgroup.com**

CREATE - PRODUCE - TRAIN - EXPAND

An aerial night photograph of a cityscape. In the foreground, a large building with a distinctive, white, geometric, lattice-like facade is illuminated. To its right, a tall, multi-story building with a grid of windows is brightly lit. The background shows a vast expanse of city lights stretching to the horizon under a dark sky.

**YOUR NETWORK'S FUTURE IS AS
FAST AS FIBER AND AS CLOSE TO
AS XDK**

ENHANCING THE INTERNET IN

50+

COUNTRIES



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