Field Optical Cable Connectors/Assemblies

Product Description

Specially designed for military field fiber optic cable supporting design, neutral bayonet type locking structure can realize the head to seat, head to head, seat to seat fast arbitrary connection. With multi-core once connected and can be blind plugging; connection loss is small, high reliability; sturdy, waterproof, dustproof, resistant to harsh environments, etc., can be used for a variety of field military fiber optic communication networks, military computer systems, airborne or shipboard equipment, repair optical cable system and other field optical temporary connection.

Features

- Designed with a neutral bayonet for quick connection without flanges
- Connects multiple fibers at once and can be blind plugged
- High-strength conforming material housing, light weight and high strength, resistant to electromagnetic interference;
- High connection reliability with rugged, dustproof and waterproof features

Applications

- Field fiber optic communication networks as well as computer systems
- Temporary field connections for emergency fiber optic communications for troops
- Airborne or shipboard systems and equipment.

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Product Parameter

Categories	Indicator requirements
Insertion loss	Single-mode ≦0.60dB
	Multimode ≦0.50dB
Return loss	Single-mode ≧50dB
Reciprocity	≦0.2dB
Operating temperature	-45℃ ~ 85℃
Mechanical properties	Plug pull≧500N
	Socket pull≧30N
Mechanical life	1000 times
Protection level	IP68

Model Naming

Series Model		ZL	A	-	FC/APC	-	FC/APC	-	SM	-	0
Product Grade	A =Standard Grade B=Superior										
One End Connector	FC/PC FC/APC SC/PC SC/APC LC/PC LC/APC ST/PC XX/XXX：Customer Specified										
Connector on the other end	FC/PC FC/APC SC/PC SC/APC LC/PC LC/APC ST/PC XX/XXX：Customer Specified										
Fiber Type	SM--Single-mode MM--Multimode 62.5/125 M2--50/125 OM2 M3--50/125 OM3 XX--Other custom fiber optics										
Fiber optic cable type	0 --Bare Fiber 1 =Φ0.9 Cladding fiber 2 =Single core Φ2.0 3 =Single core Φ3.0 4 =Dual Core ParallelΦ2.0 5 =Φ3.0 Contains Φ0.6*2										

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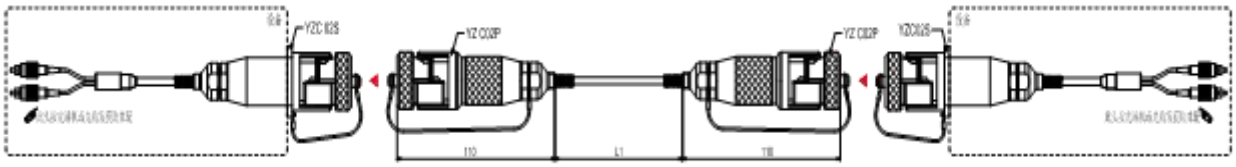
6 =Dual Core Parallel Φ3.0

X =Please specify

Common branch connector head forms

Examples of common connection schemes



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