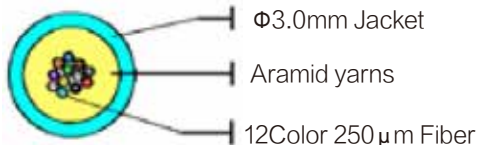




Product advantage

- Fastlinkcabsys MPO Array patch cord provides OM3, OM4 laser optimized flexible multimode and OS2 zero water peak application selection of flexible single mode; comply with ANSI/TIA 568.3-D and ISO/IEC 11801 standards.
- MPO low loss optical fiber connector is adopted, and the link channel has excellent attenuation allowance, so that when you design the cabling system, it has the best design flexibility.
- Multi mode MPO connector is physical contact polish (PC) interface; Single mode MPO connector is angled Physical contact polish (APC) green low loss interface.
- The array patch cord is suitable for providing equipment to equipment, equipment to fiber patch panel (storage box) or fiber patch panel (storage box) – the application of patching between fiber patch panel (storage box).
- Verify the optical performance and reliability in the factory to ensure the quality of jumpers.
- Meet ANSI/TIA 568.3-D fiber polarity requirements, and provide type-A, Type-B and type-C. (the default type of fastlinkcabsys prefabricated optical fiber cabling system is type-B).
- Support 10G, 40G and 100Gbps sequence or parallel transmission application architecture.
- The color coding of optical fiber and cable shall comply with ANSI/TIA-598-C standard.
- Indoor optical fiber is designed and manufactured according to TIA 472C000-B/IEC S-83-596-2001 standard.
- MPO connector complies with IEC 61754-7 standard.
- Comply with ROHS 2011/65/EU environmental protection standards.



Product characteristics

Unit: 12 cores
 12 core optical cable diameter: 3.0mm
 Weight of optical cable: 19~27kg/km (12 ~ 24C)
 Bending radius (IEC 60794-1-2-E11):
 30 x optical cable diameter (during installation)
 15 x optical cable diameter (during operation)
 Tensile strength (IEC 60794-1-2-E1):
 200N (during operation)
 334N (during installation)

Impact force (IEC 60794-1-2-E4): 0.74N-m
 Torque (IEC 60794-1-2-E7): 10 cycles
 Flame retardant low smoke halogen-free (LSOH):
 IEC 60332-1-2, IEC 60754-2
 IEC 61034-1, IEC 61034-2
 Applicable temperature (IEC 60794-1-2-F1):
 -20 ~ +75 °C (in stock)
 -10~ +65 °C (during operation)

Optical properties of products

Change of insertion loss after plugging: ≤ 0.35 dB
 Change of temperature to insertion loss: ≤ 0.35 dB

Technical parameter

Fiber Count	OD.(mm)	Bending Radius (mm)		Tensile strength(N)		Crush Resistance(N/mm2)	
		Dynamic	Static	Short-term	Long-term	Short-term	Long-term
12	3.0±0.05	30D	15D	150	80	500	150

Item	Reference	MPO-SM (APC)		MPO-MM (PC)	
		Standard	Low Loss	Standard	Low Loss
Insertion Loss	IEC61300-3-4	< 0.6dB	< 0.35dB	< 0.6dB	< 0.35dB
Return Loss	IEC61300-3-6	> 60dB		> 20dB	

