

SPECIFICATION

12F MINI IP(MPO)-MINI IP(MPO) SM 5.0MM WATERPROOF PATCH CORD





12F Mini IP(MPO)-Mini IP (MPO) SM 5.0mm Waterproof Patch cord

Description

It's a kind of FTTH patch cord assembly with **Double sheath 5.0mm FTTH Drop Cable**. It adopts lower insertion loss MPO technologies, and compact cable structure, achieving fast deployment, high reliability, and durability.

This is a last cable in FTTH project. Used widely between MST, FAT, FTTH Pro -connectorized terminal box tec. With easy accessibility to the fiber and simple installation.



Patch cord's Optical Specifications

Connector	Dual-end Mini IP(MPO) female connectors 12F	Polish	APC-APC
Fiber Mode	9/125μm, G657A2	Jacket Color	Black
Cable OD	5.0±0.2mm	Wavelength	SM:1310/1550nm
Cable Structure	Simplex	Jacket Material	LSZH
Insertion loss	≤0.35dB(Super low loss) ≤0.7dB(Standard loss)	Return loss	SM APC ≥ 60dB(min)
Operation Temperature	-10 ~ +70°C	Install&Storage temperature	-40 ~ +70°C

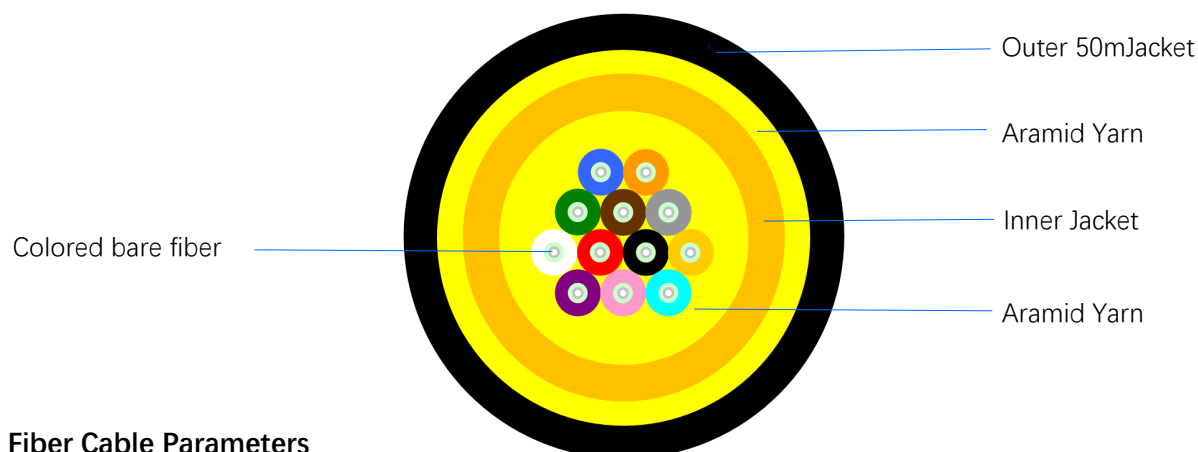
MPO End-Face 3D Interference Index

Item (IEC-61300-3-30)			Minimum	Maximum
Radius of curvature (mm)	ROC-X(ABS)		2000	\
	ROC-Y(ABS)		50mm	\
Angle	Angle-X		-0.2°	-0.2°
	Angle-Y	APC	7.85°	8.15°
		PC	-0.2°	-0.2°
Fiber height (nm)			1000nm	3500nm
Max.DH.All Fiber:			-300nm	300nm
DH.Adj:			-300nm	300nm
DH.Ave Fiber:			-300nm	300nm
Core Dip:	SM		N/A	N/A
	MM		-200nm	300nm



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Cable Technical Data



Fiber Cable Parameters

Items		Parameters
Fiber count		12, 9/125 μ m, G657A2
Colored Coating Fiber	Diameter	250 μ m $\pm$ 15 μ m
	Color	Blue、Orange、Green、Brown、Gray、White、Red、Black、Yellow、Purple、Pink、Aqua
Inner Jacket	Diameter	3.0mm $\pm$ 0.1mm
	Material	LSZH
	Color	Yellow or White or Black or Others
Strength Member		Aramid Yarn
Outer Jacket	Diameter	5.0mm $\pm$ 0.2mm
	Material	LSZH
	Color	Black

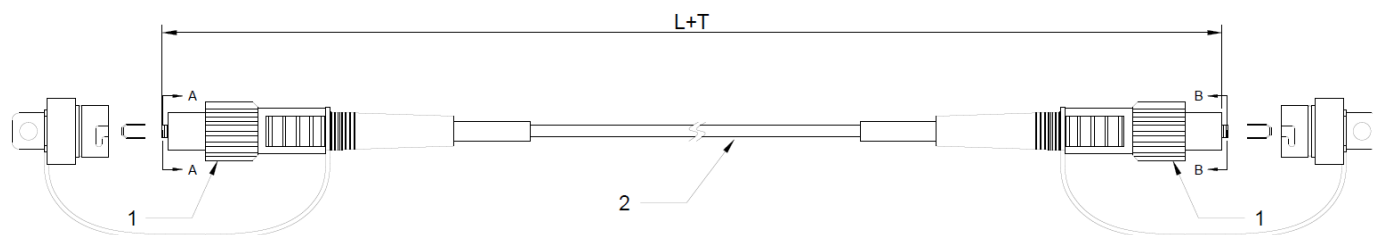
Mechanical and Environmental Characteristics

Items	Unite	Specifications
Span Lewngth	M	50
Tension(Long Term)	N	300
Tension (Short Term)	N	600
Crush (Long Term)	N/10cm	300
Crush (Short Term)	N/10cm	1000
Min. Bend Radius (Dynamic)	mm	20D
Min. Bend Radius (Static)	mm	10D
Operating Temperature	°C	-20~+60
Storage Temperature	°C	-20~+60

Connector Optical Specifications

Type	Mini IP MPO/APC (Female) 12F
Insertion loss	Max. $\leq$ 0.35 dB
Return loss	$\geq$ 60 dB
Tensile strength between optical cable and connector	Load: 300N Duration: 5s
Water proof	IP67

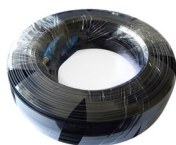
Length Tolerance



Overall Length(L) (m)	length of tolerance (cm)
10<L<40	+15/-0
40<L	+0.5% x L/-0

Packaging

This easily taken and well-protected fiber patch cable package has been labelled and marked by OMC as default . Which carton to be used depends on goods Qty . Packing can be customized.



1,PE Wrap



Installation conditions

Weather condition	Max. span(m)	Installation sag	Installation sag ratio (m)	Installation tensile (N)	Weather load tensile (N)	weather load sag(m)	weather load sag ratio
Max. wind speed: 37 m/s ice: 0	50	1.5%	0.5	157	773	1.44	2.9%
Max. wind speed: 26.67 m/s ice: 0	80	1.0%	1.125	157	713	2.23	3.0%
Max. wind speed: 10.7 m/s ice: 6.35mm	70	1.4%	0.98	157	744	2.09	3.0%

2, Paper Carton

3,Fuming-free Pallet