



Armored
Optical Fiber Cables

Distribution Bundle

Jelly-Filled

Simplex

Duplex

Patch cord

Access Technologies ... FTTX, IP Digital Surveillance Networking

1. Overview (Patch Cord):

The Armored Optic Fiber Patch-cord and Pigtail (AOFP) is manufactured by assembly all kinds of optical fiber connectors with the Armored Optic Fiber Cables (AOFC) on both ends or one end, respectively.

For the spec of AOFC, please refer to the AOFC Spec of the website.

The ferrule of the optical fiber connector will be ceramic, unless specified. The SC, FC, ST, and LC connectors are same as those connectors in the optical fiber industry. Also most of the function or requirement of the connector or patch cord performance is same as those.

The AOFP is suitable for interconnection between facilities inside the home and the outside cable plant for Fiber To The Home (FTTH) applications. And it can be normally operated and stored at -40 to 85 oC.

The optical characteristics of the SMF and MMF follow the latest definitions of ITU-T and the ANSI/TIA/EIA; All the terminologies and testing methods also follow the above Recommendations.

2. Performance Characteristics

The performance characteristics of AOFP are listed in the following Table-2

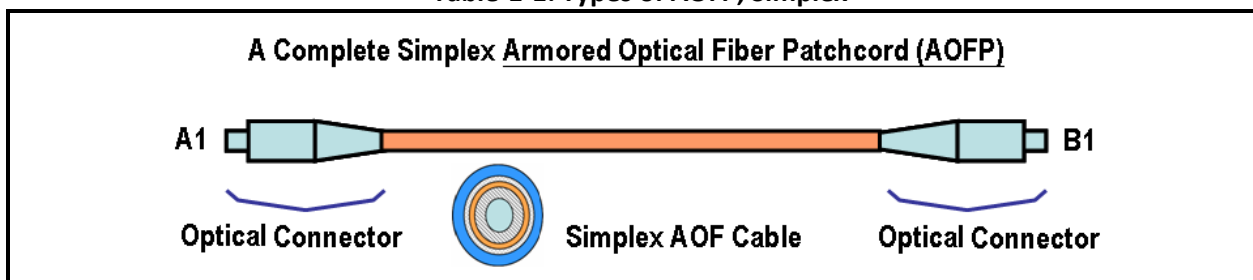
Table-2: Performance characteristics of AOFP

Fiber type Cable Char.	Single Mode AOFP	Multi Mode AOFP
Optical Insertion Loss (IL)	< 0.3 dB	< 0.3 dB
Optical Return Loss (RL)	< -40 dB	< -40 dB
Min. Bending Radius of AOFC	10xOD of AOFC	
Max. Tensile Load	100N @ 60 sec.	
IL increment after tensile loading, flexibility, impact, twist and squeeze	≤ 0.2 dB	≤ 0.3 dB
RL after tensile loading, flexibility, impact, twist and squeeze	< -40 dB	< -40 dB

3. Types of AOFP and the Ordering Information

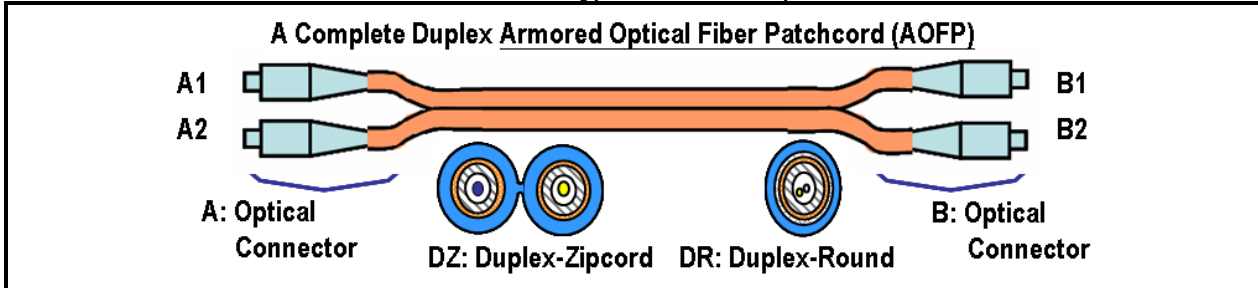
According to the requirements and the structures, Table-1 lists the types of AOFP.

Table-1-1: Types of AOFP, Simplex



Connector A1	Simplex AOFCable						Connector B1
	Fiber Type	Cable Type	Braiding	Sheath Materials	Sheath Color	Cable Length (m)	
□	-□□	-□□	-□□	-□	□	-□□	-□
F: FC; S: SC; L: LC; T: ST;	S1: Regular 10/125 SMF; M5: 50/125μm MMF; M6: 62.5/125μm MMF; SS: Customer Specified SMF; SM: Customer Specified MMF; Note: Customer specified fiber, please note the detail when placing order.	SP: Simplex (Only when Fiber Count is 01C);	XX : No braiding; 1M : Metal wire braiding; 1Y : Yarn braiding;	4: Flame retardant LSZH thermoplastic compound; 6: Other, customer specify____	1: Blue; 2: Yellow; 3: Green; 4: Red; 5: Violet; 6: White; 7: Brown; 8: Black; A: Aqua; O: Orange; P: Pink; G: Gray	01 : 1 meter; 02 : 2 meters; 03 : 3 meters; , , , 99:099 meters Note: More than 99 meters, please specify on the order..	F: FC; S: SC; L: LC; T: ST;

Table-1-2: Types of AAFP, Duplex



Connector		Duplex AAFP						Connector	
A1	A2	Fiber Type	Cable Type	Braiding	Sheath Materials	Sheath Color	Cable Length (m)	B1	B2
<input type="checkbox"/>	<input type="checkbox"/>	- <input type="checkbox"/> <input type="checkbox"/>	- <input type="checkbox"/> <input type="checkbox"/>	- <input type="checkbox"/> <input type="checkbox"/>	- <input type="checkbox"/>	<input type="checkbox"/>	- <input type="checkbox"/> <input type="checkbox"/>	- <input type="checkbox"/>	<input type="checkbox"/>
F: FC; S: SC; L: LC; T: ST; M: MTRJ	F: FC; S: SC; L: LC; T: ST; M: MTRJ	S1: Regular 10/125 SMF; M5: 50/125µm MMF; M6: 62.5/125µm MMF; SS: Customer Specified SMF; SM: Customer Specified MMF; Note: Customer specified fiber, please note the detail when placing order.	DZ: Duplex- Zip cord DR: Duplex- Round	XX : No braiding; 1M : Metal wire braiding; 1Y : Yarn braiding;	4: Flame retardant LSZH thermoplastic compound; 6: Other, customer specify____	1: Blue; 2: Yellow; 3: Green; 4: Red; 5: Violet; 6: White; 7: Brown; 8: Black; A: Aqua; O: Orange; P: Pink; G: Gray	01 :1 meter; 02: 2 meters; 03: 3 meters; , , , 99:099 meters Note: More than 99 meters, please specify on the order..	F: FC; S: SC; L: LC; T: ST; M: MTRJ	F: FC; S: SC; L: LC; T: ST; M: MTRJ

4. END