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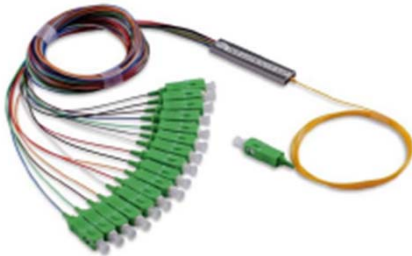
APPLICATION

Fiber to The Point (FTTX)
 Fiber to The Home (FTTH)
 Passive optical network (PON)
 Local Area Network (LAN)
 Cable Television (CATV)
 Test Equipment

FEATURES

Good uniformity and low insertion loss
 Low Polarization Dependent Loss
 Excellent Environmental stability
 Excellent Mechanical stability
 Telecordia GR-1221 and GR-1209

PORT	1x2	1x4	1x8	2x4	2x8	1x16	2x16	1x32	2x32	1x64	2x64
WxHxL (mm)	100 x 80 x 10					120 x 80 x 18		142 x 102 x 14,5 141 x 115 x 18		6 x 20 x 80	



WAYS's Mini Type PLC Splitter provides a low cost, small size and high reliability of optical branching solution. It not only retains compact structure of bare fiber optical divider and ribbon branch ceramics optical divider, but also directly leads to Φ 0.9 mm pigtail and provides connectors, it is the ideal choice for applications in small size conditions.

FEATURES

Compact Design
Low Insertion Loss & PDL
High Reliability
Wide Operating Wavelength Range

APPLICATION

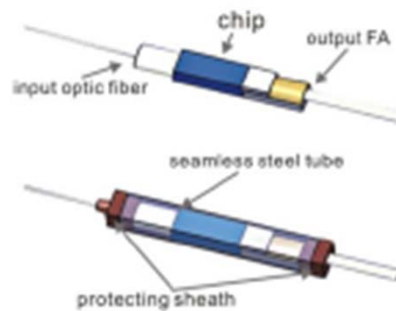
Compact or limited space

NOTE

Parameters are taken at room temperature with connectors

Parameters	1X2	1x4	1x8	1x16	1x32	1x64	2X2	2x4	2x8	2x16	2x32	2x64	UNIT			
Wavelength	1260 ~ 1650												nm			
Insertion Loss /Max.	4.1	7.4	10.5	13.8	17.1	20.4	4.4	7.7	10.8	14.1	17.4	20.6	dB			
Uniformity	0.5	0.7	0.8	1.0	1.5	2.0	0.5	0.7	0.8	1.0	1.5	2.0	dB			
Return Loss / Min.	50	50	50	50	50	50	50	50	50	50	50	50	dB			
PDL / Max.	0.15	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.3	dB			
Directivity / Min.	55	55	55	55	55	55	55	55	55	55	55	55	dB			
Fiber Type	G657A or Customized												dB			
Operating Temp.	-40~85												dB			
WDL	Typical	0.2	0.2	0.2	0.3	0.3	0.3						dB			
	Max	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	dB			
TDL	Typical	0.3	0.3	0.3	0.4	0.4	0.4						dB			
	Max	0.5												dB		
Dimension	Small	7 x 4 x 60		12x4x60		20x6x80		40x6x100		7x4x60		12x4x60		20x6x80	40x6x100	mm
	Regular	12 x 6 x 70												mm		

Order guide	Type----MxN----Adapter----Fiber type----Length----Diameter----Mode
Type	Bare fiber / Mini type / Cassette type / Tray type / Rack type
MxN	1x2 - 1x4 - 1x8 - 1x16 - 1x32 - 1x64 - 2x2 - 2x4 - 2x8 - 2x16 - 2x32 - 2x64
Adapter	FC - SC - LC - ST----PC - UPC - APC
Fiber type	G657A1/G657A2/G652D
Diameter	ϕ 0.9 - ϕ 2.0 - ϕ 3.0
Mode	Single mode / Multi mode



WAYSs bare Type PLC Splitter is featured with small size, low insertion loss, low PDL, high return loss. This kind of splitter is applicable to a variety of installation methods, like being installed in module type splitter.

FEATURES

Compact Design
 Input(either ribbon or bundle fiber)
 Output (ribbon fiber)
 Bundle Fiber with Connectors Optional

APPLICATION

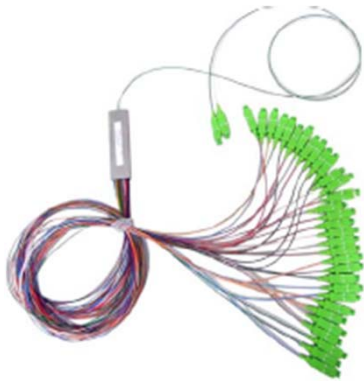
Splice Tray
 Fiber Splice Closure
 Module Packaging
 Other Place for Direct Splicing

NOTE

Parameters are taken at room temperature without connectors
 Package dimensions can be customized
 Return loss ≥ 55 dB when connectors are APC

PARAMETERS	1 x 2	1 x 4	1 x 8	1 x 16	1 x 32	1 x 64	2 x 2	2 x 4	2 x 8	2 x 16	2 x 32	2 x 64	UNIT	
Wavelength	1260 ~ 1650													
IL/Max	3.9	7.2	10.3	13.6	16.9	20.1	4.0	7.5	10.6	13.8	17.1	20.4	dB	
Uniformity	0.5	0.7	0.8	1.0	1.5	2.0	0.5	0.7	0.8	1.0	1.5	2.0	dB	
Return Loss/Min	50	50	50	50	50	50	50	50	50	50	50	50	dB	
PDL/Max	0.15	0.2	0.2	0.3	0.3	0.3	0.15	0.2	0.2	0.3	0.3	0.3	dB	
Directivity/Min	55	55	55	55	55	55	55	55	55	55	55	55	dB	
Fiber Type	G657A or customized													
Operating Temp	-40~85													
WDL	0.5	0.8	0.8	1.0	1.5	2.0	0.5	0.8	0.8	1.0	1.5	2.0	dB	
TDL	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	dB	
Small	4 x 4 x 40		7 x 4 x 50			12 x 4 x 60		4 x 4 x 40		7 x 4 x 50		12 x 4 x 60		mm
Regular	7 x 6 x 50		9 x 6 x 60			13.5 x 5 x 60		7 x 6 x 50		9 x 6 x 60		13.5 x 5 x 60		

Order guide	Type----MxN----Adapter----Fiber type----Length----Diameter----Mode
Type	Bare fiber / Mini type / Cassette type / Tray type / Rack type
MxN	1x2 - 1x4 - 1x8 - 1x16 - 1x32 - 1x64 - 2x2 - 2x4 - 2x8 - 2x16 - 2x32 - 2x64
Adapter	FC - SC - LC - ST----PC - UPC - APC
Fiber type	G657A1/G657A2/G652D
Diameter	Ø0.9 - Ø2.0 - Ø3.0
Mode	Single mode / Multi mode



It is used for small spaces can be easily placed in a formal joint boxes and splice closure. In order to facilitate welding does not need specially designed for space reserved. splitter family features either ribbon or individual fiber output. Ways provides whole series of 1xN and 2xN splitter products that are tailored for specific applications. All splitters provide guarantee optical performance and high reliability that meet GR-1209-CORE and GR-1221-COR requirements.

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- Test Equipment

FEATURES

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- Low Polarization Dependent Loss
- Excellent Environmental stability
- Excellent Mechanical stability
- Telecordia GR-1221 and GR-1209

S P L I T T E R

Port	1x2	1x4	1x8	2x4	2x8	1x16	2x16	1x32	2x32	1x64
W x H x L (mm)	4x12x60					6x20x80			6x20x80	



WAYS



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LC Adapter

LC type adapters are used in high density applications and feature a quick plug in installation. Adapters are available in both simplex and duplex designs and utilize high quality zirconia and phosphorous bronze sleeves. The LC duplex adapter uses the same cutout as the cooper RJ-45, resulting in less redesign work when retrofitting existing panels



SC Adapter

SC adapters has a plastic housing and either a precision zirconia or a rugged phosphor bronze sleeve. Zirconia sleeve enables stable connection and thus enhances performance, and is ideal for single mode applications. Phosphor bronze sleeve provides durability, and is duplex adapters are available



ST Adapter

ST adapters connect industry standard ST connectors and are available in D-Mount and Flange-Mount versions. ST adapters are available with ceramic or metallic sleeves, feature a metal body for long life, and easily install in panel mount applications



FC Adapter

FC adapter metal housing and either a precision zirconia or a rugged phosphor bronze sleeve. Zirconia sleeve enables stable connection and thus enhances performance, and is ideal for single mode applications. Phosphor bronze sleeve provides durability and is ideal for multimode applications. Square flange mount and "D" hole mount styles are available



MTRJ Adapter

The single mode and multimode MT-RJ products are used in two fiber optical interconnectors and are therefore well suited for high density applications. The MT-RJ Adapter comes standard in black, with additional colors available. An MT-RJ Adapter with SC style housing is also available for applications where SC footprint is required



WAYS



SC



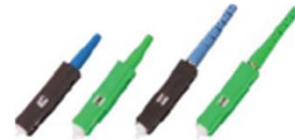
LC



FC



ST



MU



E2000



LX.5



SMA & D4



MTRJ



MPO



ESCON & FDDI

C O N N E C T O R



LC SM connector 0.9



LC/APCMM connector 2.0



LC SM connector 3.0



SC SM connector 0.9



SC MM connector 2.0



SC/APC connector 3.0



FC/APC connector 0.9



FC SM connector 2.0



FC SM connector 3.0



ST SM connector 0.9



ST MM connector 2.0



ST SM connector 3.0



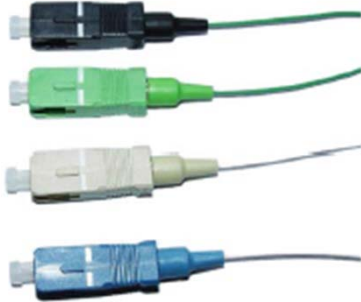
MPO connector



MTRJ connector



MU connector



APPLICATION

LANS and WANS (Ethernet, FDDI & Fiber Channel) Test Equipment CCTV and Security

Fiber Type	62.5/125m	50/125m	9/125m
Max insertion Loss (@850mm)	≤0.3dB	≤0.3dB	≤0.3dB
Typ Insertion Loss	0.2dB	0.2dB	0.2dB
Typ Return Loss	≥35dB	≥35dB	PC≥45dB
			UPC≥55dB
			APC≥60dB
Cable Retention (900um)	2lbs	2lbs	2lbs
Mating durability (500 cycles)	<0.2dB	<0.2dB	<0.2dB
Ferule material	Ceramic	Ceramic	Ceramic
Housing material	Composite	Composite	Composite



Parameter	Conditions
Operating Temperature	-40C°~+85C°
Storage Temperature	-40C°~+85C°
Atmospheric Pressure	70~106KPa
Wavelength	850nm, 1310nm, 1550nm
Insertion Loss	0.3dB
Return Loss	PC≥45dB, UPC≥50dB, APC≥60dB
Repeatability	0.2dB
Interchange Ability	0.2dB

Patch cord is equipped with connectors on both ends of the fiber, widely used in the field of optical fiber transmission system. WAYS produces a full series of patch cords which include FC, SC, LC, ST, E2000 type, etc.; SM and MM optical fiber or drop cable type. In addition, WAYS also produces armored patch cord that can be directly laid in the center office and all kinds of extremely environment

FEATURES

Small bending radius and excellent flexibility
 Stable performance, good compressive strength, tensile strength, anti-aging properties
 Small diameter, light weight, strong practicability
 G657A class optical fiber or customized, cost-effective, stable parameter

Type	Connector A	Fiber End Face	Connector B	Fiber End Face	Fiber Length	Diameter	Fiber Mode
Patchcord and pigtail	FC	PC	None	None	1.0M	∅0.9	SM
	SC	UPC	FC	PC	1.5M	∅2.0	MM
	LC	APC	SC	UPC	2.0M	∅3.0	
	ST		LC	APC	Customized		
	Customized		ST				
			Customized				