

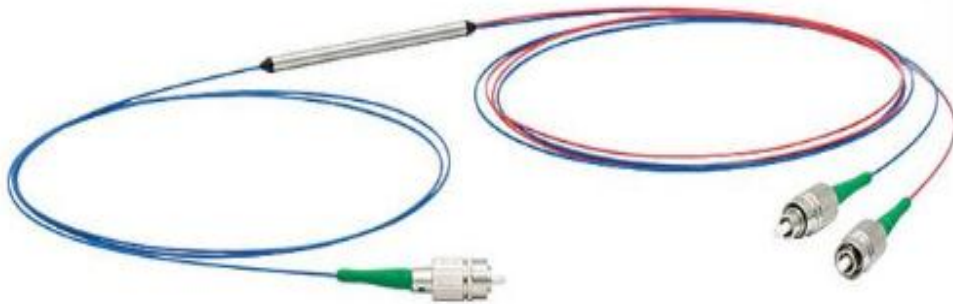
## Splitter Series

## Fused Biconical Taper Splitter

**Fused biconical taper (FBT) single-mode fibre splitters possess world-leading performance and reliability. Their ultra-low additional loss enhances component reliability and long-term stability.**



### Product Structure



### Standards Compliance

- Compliant with Telcordia GR-1209-CORE Issue 4, Telcordia GR-1221-CORE Issue 3, YD/T2000.1-2009, and RoHS standards.



### Product Features

- An all-fibre structure delivers excellent optical properties and good stability, uniformity, and directivity.
- Low supplementary, insertion and polarization loss.
- Split ratio can be selected.
- SC/LC/FC connectors are available; other connectors can be made to order.



## Product Parameters

Item		Unit	Specifications									
Split Ratio		%	05/95	10/90	15/85	20/80	25/75	30/70	35/65	40/60	45/55	50/50
Wavelength		nm	1310, 1490, 1550									
Insertion Loss	Without Connector	dB	13.80/0.50	10.90/0.80	9.60/1.20	8.00/1.30	7.00/1.80	6.00/2.00	5.50/2.50	4.70/2.80	4.30/3.30	3.60/3.60
	With Connector	dB	14.10/0.80	11.20/1.10	9.90/1.50	8.30/1.60	7.30/2.10	6.30/2.30	5.80/2.80	5.00/3.10	4.60/3.60	3.90/3.90
Insertion Loss Uniformity (Max.)		dB	0.6									
Polarization Loss (Max.)		dB	0.2									
Return Loss		dB	For APC $\geq 55$ / for UPC $\geq 50$									
Directivity		dB	$\geq 55$									
Fibre Type		/	G652D, G657A or customized									
		/	900 $\mu$ m tight buffer									
Connector Type		/	SC, FC, LC									



## Order Guide

P=PLC	1002=1:2	M=Micro Splitter	F=With Connector	SU=SC/UPC	25=0.25 mm Bare Fibre	05=0.5 m
F=FBT	1004=1:4	B=ABS Cassette Splitter	N=Without Connector	SA=SC/APC	09=0.9 mm Loose Tube	10=1.0 m
--	1008=1:8	P=LGX Splitter	A=Adapter	FU=FC/UPC	20=2.0 mm Loose Tube	15=1.5 m
--	1016=1:16	T=Tray Splitter	--	FA=FC/APC	30=3.0 mm Loose Tube	20=2.0 m
--	1032=1:32	R=Rack-mounted Splitter	--	LU=LC/UPC	--	XX=Customized
--	1064=1:64	--	--	LA=LC/APC	--	--
--	2002=2:2	--	--	--	--	--
--	2004=2:4	--	--	--	--	--
--	2008=2:8	--	--	--	--	--
--	2016=2:16	--	--	--	--	--
--	2032=2:32	--	--	--	--	--
--	2064=2:64	--	--	--	--	--

Product Number=Y-Production\_Process-Split\_Ratio-Package\_Type-Termination\_Mode-Connector\_Type-Pigtail\_Mode-Input\_Pigtail\_Length-Output\_Pigtail\_Length

For example, PN: Y-P-1008-B-F-SU-20-10-20

stands for PLC with 1:8 split ratio and cassette type, pigtail-terminated, with an SC/UPC connector, 2.0 mm loose tube for the pigtail, 1.0 m input pigtail and 2.0 m output pigtail.