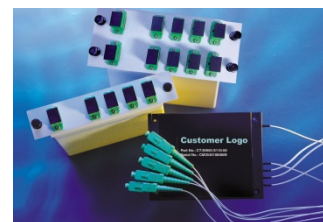


## Dual Window Coupler 1xN 1x4, 1x8, 1x16, 1x32, single node

### Description

These products are high port count devices that split and combine light over 80nm bandwidth at two operating wavelength region. Many wideband fused taper couplers are cascaded in series to achieve the designed configuration. The products have good uniformity and low excess loss.



### Features

- Low insertion loss
- Low excess loss
- Excellent uniformity
- Low PDL
- Environmentally stable and reliable
- Wide wavelength range

### Applications

- CATV
- Telecommunication
- FTTH
- Local area networks
- Subscriber loop
- Test equipment

### Specifications

Parameters	1x4	1x8	1x16	1x32
Grade	Premium	Premium	Premium	Premium
Operating Wavelength	1310 and 1550 nm $\pm$ 40 nm			
Maximum Insertion Loss	7.0 dB	10.4 dB	14.0 dB	17.5 dB
Maximum Uniformity	1.0 dB	1.6 dB	2.4 dB	3.0 dB
Maximum Polarization Dependent Loss	0.3 dB	0.45 dB	0.6 dB	0.75 dB
Minimum Directivity	55 dB			
Maximum Thermal Stability	0.002 dB/°C	0.003 dB/°C	0.004 dB/°C	0.005 dB/°C
Operating Temperature	-40°C to 85°C			
Storage Temperature	-55°C to 85°C			
Package Dimensions (For ABS Type)	L: 100 mm H: 8 mm W: 80 mm	L: 140 mm H: 10 mm W: 90 mm	L: 140 mm H: 10 mm W: 120 mm	
Package Dimensions (For Sub-Rack Mount)	W: 28 mm H: 3U/133 mm D: 127 mm	W: 58 mm H: 3U/133 mm D: 127 mm	W: 116 mm H: 3U/133 mm D: 127mm	

\* Value of specification are without connector loss.

Additional components according to your specifications on request! Please contact HUBER+SUHNER Cube Optics for further details.

# Fused Couplers

## Dual Window Coupler 1xN 1x4, 1x8, 1x16, 1x32, single node

### Ordering Information

Indicate your requirements by selecting one option from each configuration table. Please write the corresponding codes in the available boxes to form your part number. For more information on this or other products and their availability, please contact HUBER+SUHNER Cube Optics AG at +49-6131-69851-0 or via email at sales.cubo@hubersuhner.com.

Ordering example: **BWTD-3-18-0-A-S-2-55**

BWTD -  -   -  -  -  -  -

Wavelength	code	Port	code	Package Type	code	Fiber Length	code	Connector in/out*	code
1310/1550 nm	3	1x4	14	ABS	A	1.0 m	1	none	0
		1x8	18	Sub-Rack Mount	R	2.0 m	2	SC/PC	1
		1x16	16			3.0 m	3	FC/PC	2
		1x32	32					SC/APC**	3
								FC/APC**	4
								LC/PC	5
								MU/PC	6
								E2000	7
								E2000/HRL**	8
								ST/PC	9

Coupling Ratio	code	Fiber Type	code
None	0	250 µm bare fiber*	S
		900 µm loose tube	L
		3.0 mm cable	H

\* only available without connectors

\* device regarded as demultiplexer  
\*\*8° angular polishing

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