



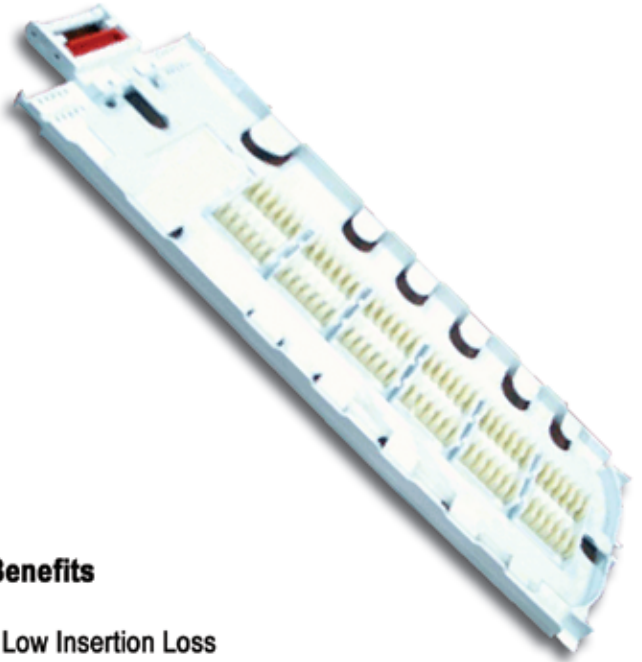
modular packaging

N x M Port Coupler (Cassette Style)

Description

Renka® SmartCONNECT™ NxM port couplers are low loss branching components, used to split and combine light over a wide bandpass. Standard singlemode fused couplers are concatenated together to achieve the desired split ratio and packaged into either a cassette or rack mountable module. Other non-equal split ratios and custom port configurations are available upon request, with various connector types.

All Renka couplers are designed and tested to Bellcore performance and reliability standards



Applications

- Passive Optical Networks
- CATV Networks
- Test and Measurement Systems

Benefits

- Low Insertion Loss
- Convenient Packaging
- Superior Reliability

NXM Port Coupler Specifications (Equal Split Ratios)

NxM	UNIT	Wavelength Flattened		Wavelength Independent	
		Premium	Standard	Premium	Standard
		1310 or 1550nm (± 40 nm)		1310 and 1550nm (± 40 nm)	
		Maximum Insertion Loss		Maximum Insertion Loss	
		Premium	Standard	Premium	Standard
1x2 or 2x2	dB	3.4	3.6	3.4	3.6
1x3	dB	5.5	5.9	5.7	6.1
1x4 or 2x4	dB	6.9	7.4	7.2	7.6
1x5	dB	8.0	8.5	8.3	8.8
1x6	dB	8.8	9.4	9.4	9.9
1x8 or 2x8	dB	10.2	11.1	10.8	11.4
Return Loss	dB	≥ 55 dB			
Operating Temperature	$^{\circ}$ C	-40 to +75			
Storage Temperature	$^{\circ}$ C	-40 to +85			
Fiber		Corning SMF-28			

Ordering Information

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N (# of input ports)

1
2

M (# of output ports)

2
4
5
6
8

Package Style

C: Cassette
R: Rack Mount Module

Coupler Type

WFC: Wavelength Flattened Coupler
WIC: Wavelength Independent Coupler

Grade

P: Premium
S: Standard

Split Ratio

05: 95/5
10: 90/10
20: 80/20
30: 70/30
40: 60/40
50: 50/50

Wavelength

2: 1310 & 1550
3: 1310
5: 1550

Connector Type

00: None
SU: SC/UPC
SA: SC/APC
FU: FC/UPC
FA: FC/APC
TU: ST/UPC

Package Type

L: Light Duty
(250 μm bare fiber)
M: Medium Duty
(900 μm Teflon tube)
H: Heavy Duty
(3mm jacket)