express CWDM Application:
Cascaded CWDM Topology
Schematics and Attenuation Example

ghip_systems_

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express CWDM
G4104-1471-0

Central

CWDM 5108

Network
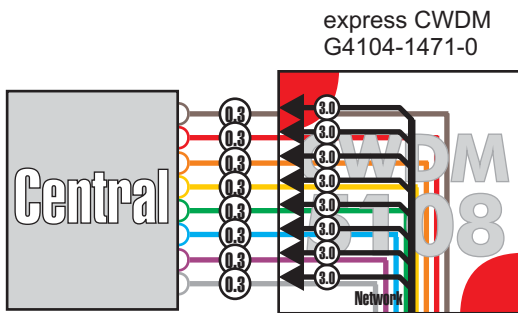
Patch cable (0.3 dB)
+ 2 km SingleMode (0.4 dB)
+ Patch cable (0.3 dB)

Example Attenuation Calculation:
CWDM 5108 Channel Port: -3.0 dB
CWDM 5104 Channel Port: -2.5 dB
CWDM 5104 Pass-Through: -2.5 dB
Patch cable Local - CWDM: -0.3 dB
Patch cable CWDM - Line: -0.3 dB
Line Attenuation per km: -0.2 dB
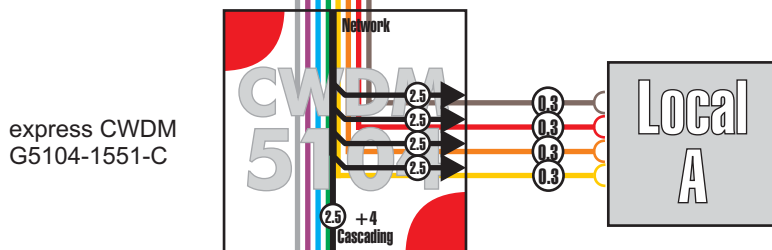
Network

express CWDM
G5104-1551-C

CWDM 5104

+4 Cascading

Local A

End-to-End Attenuation
Central <-> Local A:
-7.1 dB

Patch cable (0.3 dB)
+ 2 km SingleMode (0.4 dB)
+ Patch cable (0.3 dB)

Network

express CWDM
G5104-1471-0

CWDM 5104
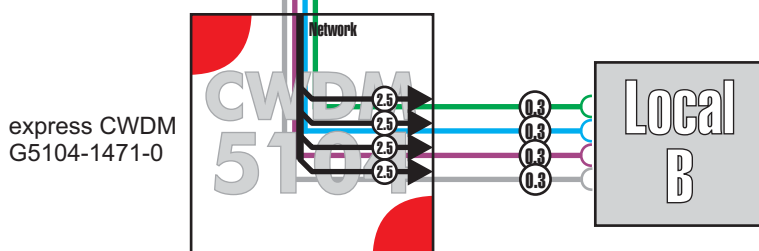
Local B

End-to-End Attenuation
Central <-> Local B:
-10.6 dB