



Ruggedized Wideband Couplers

Enhancing AFL's wideband coupler offering are two package styles for ruggedized versions of these reliable, standardized couplers – 3 mm and 900 μm furcated pigtail options and a variety of connector styles. All AFL couplers conform to stringent environmental and mechanical standards to provide high reliability in a variety of customer applications.



Features

- Dual window wideband operation
- Low insertion loss
- Low PDL
- High Directivity
- Long term field application
- Environmentally stable

Applications

- Telecommunications
- CATV
- LAN
- Fiber in the Loop
- Network monitoring

Specifications

PARAMETER	VALUE
Operating Wavelength	1310 nm +/- 40 and 1550 nm +/- 40
Return Loss	55 dB
Directivity	55 dB
Operating Temperature	-40° to +85°C
Storage Temperature	-40 to +85°C

Ordering Information

WBC	1x2	50/50	900	ULC	1M	ULC	1M
	Inputs x Outputs	Split Ratio (%/%)	Leg Diameter	Input Connector	Input Length	Output Connector	Input Length
	1x2 2x2	50/50 55/45 60/40 65/35 70/30 75/25 80/20 85/15 90/10 95/5	900=900 μm 3=3 mm	ULC = LC/UPC ALC = LC/APC USC = SC/UPC ASC = SC/APC UFC = FC/UPC AFC = FC/APC NC = No Connector	1M 2M 3M 4M 5M	ULC = LC/UPC ALC = LC/APC USC = SC/UPC ASC = SC/APC UFC = FC/UPC AFC = FC/APC NC = No Connector	1M 2M 3M 4M 5M