



# Breakout cable assemblies

Whether your application is a data center network or high fiber-count telecommunication system, Advanced Interconnect's breakout cable assembly products are designed for maximum density, easy fiber routing, optimum insertion and return loss performance, and quick installation.

AI's portfolio of connector capabilities and fiber types enhance your network flexibility. Manufacturing and design capabilities include singlemode, multimode, straight or angle polish, LC, SC, ST, FC, MTP®, MT-RJ, OGI or PHD™. AI will build to your existing system, assist in new design requirements, or participate in site surveys.

Advanced Interconnect continues to provide connectivity products that support the data layer for data center and SAN infrastructure. AI's family of high fiber-count breakout cables can transmit information across the enterprise independent of connector size, type, configuration fan-out, or fiber count. These breakout cables can seamlessly transmit massive amounts of video, voice and data over significant distances to unify outlying data centers.

**AI manufactures breakout cables with these popular connector types, including:**

- > LC
- > SC
- > ST
- > FC
- > MTP®
- > MT-RJ
- > OGI
- > PHD™

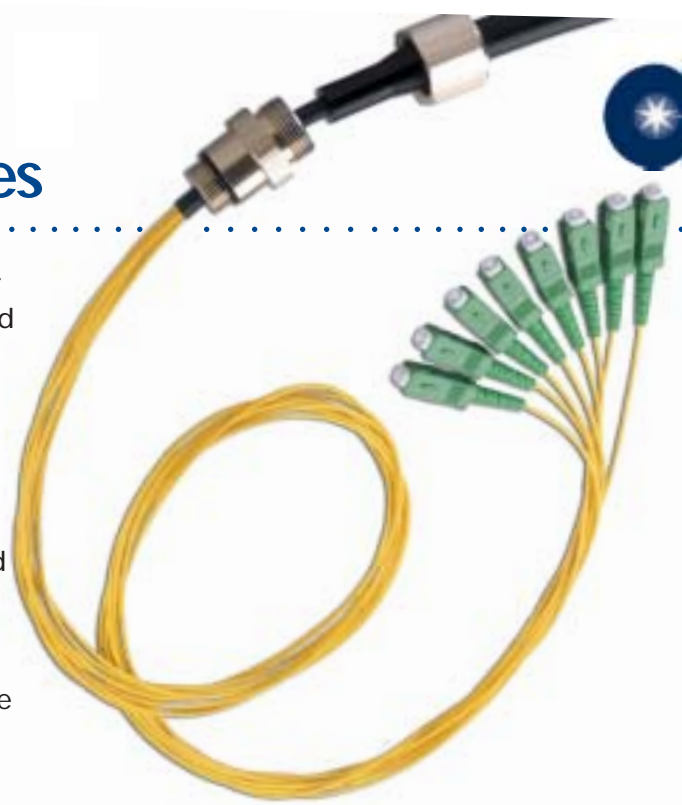


**AI has earned its reputation for on-time delivery of quality products that meet customer specifications every time.**



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## Performance Specifications

### Fiber Count

Up to 72 fibers

### Outer Jacket Material

Riser or Plenum

### Breakout Length

24" minimum, 36" standard  
custom lengths over 36" available

### Typical Insertion Loss Per End

LC, SC, ST, FC, 0.20dB - singlemode, 0.25dB - multimode  
SC/APC, FC/APC, 0.25dB - singlemode  
MTP®, 0.25dB - singlemode, 0.20dB - multimode  
MT-RJ, 0.30dB - singlemode, 0.20dB - multimode  
OGI, 0.20dB - singlemode Standard performance option  
OGI, High & Premium performance options also available  
PHD™ - to be determined

### Maximum Return Loss Per End

LC, SC, ST, FC, -55dB - singlemode, -20dB - multimode  
MTP®, -55dB - singlemode, -20dB - multimode  
MT-RJ, -50dB - singlemode, -20dB - multimode  
OGI, -60dB - all performance options  
PHD™ - to be determined

### Furcation Method Options

900um simplex tubing for LC, SC, ST, FC  
1.6mm simplex tubing for MTP® or OGI  
1.6mm duplex tubing for MT-RJ  
2mm simplex tubing for LC, SC, ST, FC  
PHD™ - to be determined

Custom breakout configurations are available upon request.

Data is for informational purposes only and is subject to change. Please contact our sales department or refer to our website for current information.