

## Circular Optical Solutions

WiMAX/LTE

Fiber Optic Assemblies

Amphenol Fiber Optic assemblies are manufactured in our state-of-the-art manufacturing facilities with our own advanced polishing and assembly process. Our advanced polishing process and measuring equipment allows us to manufacture the highest quality assemblies ready for today's optical networks and systems. Precise control of our polishing process and stringest test requirements yield low insertion loss every time.

### Interface

- > 2 or 4 fiber Indoor/Outdoor Fiber Optic plug/socket

### Cable Options

- > 50/125  $\mu\text{m}$  multimode fiber
- > 9/125  $\mu\text{m}$  singlemode fiber
- > Low smoke & halogen free

### Key Features

- > 2 or 4 channels
- > Multimode and Singlemode
- > Indoor/Outdoor Fiber Optic plug/socket insertion loss less than 0.5 dB
- > Ingress protection (IP67): waterproof, dustproof, corrosion resistance
- > Tensile strength: 800N (plug); 30N (socket)
- > Minimum bend radius 60mm (plug) 30mm (socket)
- > Mechanical alignment with screw lock
- > Operating temperature range: -40c to 85c
- > Durability : 500 mating cycles

### Applications

- > Optical networks
- > WiMAX base stations

