## Borg Technologies Product Application Notes:

### SUMMARY: INDOOR USE, LOW STRENGTH, SHORT DISTANCE

### Zipcord cable construction (BORG Ref p/n: xD2-xx-xxxY or xD3-xx-xxxY)

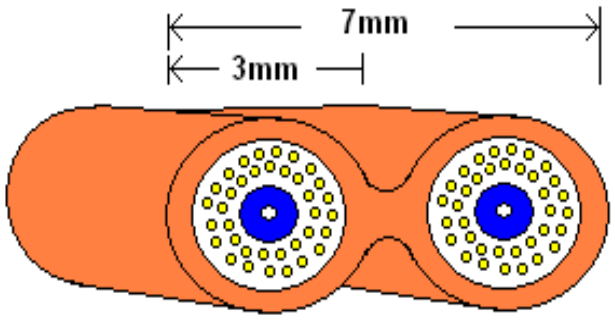
As a general rule we advocate the use and specification of Breakout style cables for assemblies over 50 ft in length unless the installation is highly controlled and or static. Pulling forces generated in the installation of cable assemblies of lengths greater than 50 feet in building infrastructure can easily damage the fibers in a zipcord type design. In order to contain backend costs we highly recommend the use of Breakout type cable in extended length cable assemblies unless the customer specifies otherwise.

**Definition:**
*Zipcord cable* – This type of fiber optic cable is used to provide duplex (2 fibers) conveniently for use in low stress / static type installations. Each fiber is enclosed in a cable jacket that can be 1.6mm, 2mm, or 3mm in diameter and two of these "subunits" are webbed together with the jacket compound during the extrusion process of manufacturing.

**Application Description:**
Patch cords are designed for short distance connections between equipment or patch panel ports.
Generally used in assemblies of 50ft or less in loosely cabled installations. Not recommended for use or installation in walls, ceilings, or datacenter floors.

**Environmental Considerations:**
Indoors implementation only. No exposure to extreme temperatures, water, chemicals, or UV light (sunlight as well).

**Usage Recommendations:**
Implement this cable type only non-dynamic fairly static production environments. NOT recommended for hi-flexing, hi-stress, or constant movement such as robotic type mechanical devices.




3mm Duplex Zipcord Cable Crosssection