

Purpose:

To describe the common parameters of Fiberdyne's multimode fiber-optic cable.

Conceptual Usage:

Fiberdyne-branded, multimode, fiber-optic cable includes simplex and duplex, riser and plenum, distribution cables, which can be cable assemblies or bulk.

Standard Features:

- Fiber Count per cable
 - Simplex (1)
 - Duplex (2)
- Fire/Smoke Rating
 - Riser (UL/cUL Type OFNR, OFN FT4)
 - Plenum (UL/cUL Type OFNP, OFN FT6)
- Distribution-classified cable

Cable Specifications:

<i>Characteristic</i>	<i>Multimode (62.5/125 μ m)</i>
Crush Resistance	300 N / 10cm
Impact Resistance	1 N-m, 5 impacts
Torsion	5 kg, 1 turn, 5 cycles
Min Bend Radius (Long-term, No-load, in-service)	10X Cable Diameter
Min Bend Radius (Short-term, Loaded, during installation)	15X Cable Diameter
Operating/Installation Temp	-10°C to +70°C
Storage Temp	-20°C to +70°C

Fiber Specifications:

<i>Characteristic</i>	<i>Multimode (62.5/125 μ m)</i>
Numerical Aperture	0.275 +/- 0.015
Attenuation (850-nm / 1300-nm)	< 3.0 / <1.0 dB/km
Bandwidth (850-nm /1300-nm)	> 250 / >600 MHz*km