

Purpose:

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

Conceptual Usage:

Fiberdyne-branded, single-mode, fiber-optic cable includes simplex and duplex, riser and plenum, distribution cables, which are supplied as both – cable assemblies or bulk. There is one common trait of these Fiberdyne cables. They use Corning fiber. Therefore, the specifications of Corning fiber apply to these Fiberdyne-branded cables.

Standard Features:

- Fiber Core/Cladding Diameter: 8.3/125 μ m (Corning SMF-28e)
- Fiber Count per cable
 - Simplex (1)
 - Duplex (2)
 - Higher counts also available
- Fire/Smoke Rating
 - Riser (UL/cUL Type OFNR, OFN FT4)
 - Plenum (UL/cUL Type OFNP, OFN FT6)
- Distribution-classified cable

Specifications:

<i>Characteristic</i>	<i>Single-mode (8.3/125 μ m)</i>
Crush Resistance	2000 N/cm
Impact Resistance	2000 Impacts with 1.6 N-m
Flexure	2000 Cycles minimum
Min Bend Radius (Long-term, No-load, Installed)	10X Cable Diameter
Min Bend Radius (Short-term, Loaded, Installing)	15X Cable Diameter
Operating Temp	-20°C to +70°C
Storage Temp	-40°C to +80°C