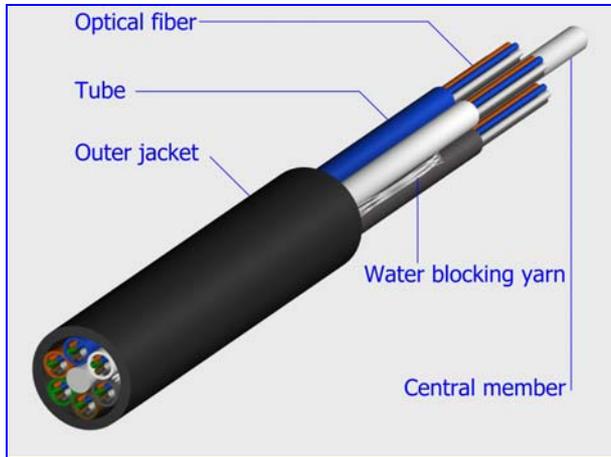


FTX Series

Microduct Fiberoptic Cables for Outdoor FTTH Applications



APPLICATIONS

- FTTH applications – low installation cost, short to medium reach in fiber-to-the-home (FTTH), fiber-to-the building (FTTB) or fiber-to-the-Cabinet (FTTCab) applications
- For blowing into protected micro-ducts

CABLE DESCRIPTION

- The cable consists of 6 to 36 elements stranded in up to 3 layers around a dielectric central strength member and bound in a jacket.
- The elements are usually fiber-containing tubes, 1.5 mm in diameter; however fillers are also used, when needed, to preserve cable geometry. Each tube contains 2 to 12 fibers.
- The tubes are filled with a waterblocking gel to prevent the ingress of water.
- The tubes and fibers are color coded for easy identification.
- Dry water-swelling materials are present between and around the cable core in order to provide full water blocking.
- A ripcord is laid under the jacket to aid in cable preparation.
- A black, UV resistant, low-friction HDPE jacket is extruded over the cable core.

MECHANICAL PROPERTIES

Typical properties are given next page. Actual properties depend on the cable construction.

OPTICAL PROPERTIES

See the Optical Properties Table.

MATERIALS

See information about the materials used in the Teldor Fiberoptic Cables.

STANDARDS

- Cables tested according to TIA/EIA-455 and IEC-60794-1-2. For details see Test Methods Table.
- Compliance with IEC-60794-5

MARKING

Cables are marked as follows

Teldor - Fiberoptic Cable - Cable Code - RoHS - Length in Meters
or per customer request.

CABLE DIMENSIONS AND WEIGHTS

See list of most frequently ordered cables next page.

ORDERING

You can find the desired cable in the cable list next page or compose your own cable from the Cable Code Definition and Selection Guide.

Standard cable lengths vary with cable diameter. Other constructions, color codes and materials may be available. Please contact the Teldor Marketing Department.

FTX Series Technical Tables

FTX-Series Fiberoptic Cables

Max. Installation Load	Depends on cable construction. See cable list below for representative values
Max. Operating Load	60% of the Max. Pulling Load
Max. Compressive Load	1000 N /100 mm
Repeated Impact	1.0 N.m (J) – 3 x 2 impacts
Minimum Bending Radius for Installation	20 times the cable O.D
Minimum Long Term Bending Radius	10 times the cable O.D
Twist (Torsion) — Length	180°x10 times , 125 times the cable O.D.
Cyclic Flexing	100 cycles
Operating Temperature Range	-30°C to +70°C
Storage Temperature Range	-40°C to +70°C

Most Frequently Ordered FTX Fiberoptic Cables Product Codes, Structure, Dimensions and Weights

Cable code	Weight (kg/km)	Nominal Diameter (mm)	Max. Installation/Operation Load (N)	No. of Elements	No. of Fibers
FTX-9-01x02-D-P-D	30	5.8	700/130	6	2
FTX-9-01x04-D-P-D	30	5.8	700/130	6	4
FTX-9-03x04-D-P-D	30	5.8	700/130	6	12
FTX-9-04x12-D-P-D	30	5.8	700/130	6	48
FTX-9-06x12-D-P-D	30	5.8	700/130	6	72
FTX-9-08x12-D-P-D	42	6.8	1000/130	6	96
FTX-9-12x12-D-P-D	61	9.0	1000/130	8	144

FTX Series Cable Code Definition and Selection Guide

