

## FTX-F-TTxNN-D-P-D#S (For 12/24 fibers per tube)

**Part Number:** **F10000029B**

**Applications:** Blown Installation into Microducts, Campus Backbone, Centralized Cabling

**General Construction:** Optimized for blown installation, the cable contains up to 432 color coded optical fibers, each with a 250um outer diameter. 12 or 24 optical fibers are contained in a loose tube filled with waterblocking gel. The loose tubes (and fillers if required) are SZ stranded around a dielectric central strength member to enable mid-sheath entry. The cable is protected with a outer jacket.  
 Diam. of tube with 12 fibers is 1.4 mm.  
 Diam. of tube with 24 fibers is 2.0 mm.



**Outer Jacket Material:** HDPE  
**Outer Diameter:** 0.000001 mm nom.  
**Weight:** 0.001 kg/km

### Design & Materials

<b>Buffer Material:</b>	PBT
<b>Color Code:</b>	Per TIA/EIA 598-C
<b>Central Strength Member:</b>	FRP
<b>Cabling:</b>	SZ
<b>Waterblocking:</b>	Dry Waterblocking
<b>Rip-Cord:</b>	Yes
<b>Marking:</b>	Teldor Standard

### Standards

<b>Applicable Standards:</b>	IEC 60794-1-21/22, IEC 60794
<b>Installation:</b>	Guidelines as per IEC TR 62691

## Performance

<b>Max. Installation Tensile Load :</b>	See the table below N max.
<b>Max. Residual Tension (MRS) :</b>	60% of max, Installation Load N max.
<b>Max. Crush Resistance:</b>	100 N/cm
<b>Min. Bend Radius for Installation:</b>	20xD mm
<b>Min. Bend Radius for Operation:</b>	10xD mm
<b>Repeated Bending:</b>	100 cycles
<b>Max. Operating Temperature:</b>	+70 °C
<b>Min. Operating Temperature:</b>	-30 °C
<b>Max. Installation Temperature:</b>	+60 °C
<b>Min. Installation Temperature:</b>	-30 °C
<b>Max. Storage Temperature:</b>	+70 °C
<b>Min. Storage Temperature:</b>	-40 °C
<b>UV Resistance:</b>	Yes
<b>Waterblocking:</b>	Yes

**Alternatives:**

No. of Fibers	Teldor P/N	Product Description	Outer Diameter (mm nom.)	Weight (kg/km)	Max. Installation Load (N)
12	F901201CWB	FTX-9-01X12-D-P-D BK	5.6	2.3	700
24	F902402ZOB	FTX-9-02X12-D-P-D BK	5.6	23	700
24	F70240201B	FTX-7-02X12-D-P-D BK	5.6	23	700
24	F40240217B	FTX-4-02X12-D-P-D BK	5.6	23	700
48	F904804ZWB	FTX-9-04X12-D-P-D BK	5.6	26	700
48	F70480401B	FTX-7-04X12-D-P-D BK	5.6	26	700
48	F40480420B	FTX-4-04X12-D-P-D BK	5.6	26	700
72	F907206AFB	FTX-9-06X12-D-P-D BK	5.6	26	700
96	F70960801B	FTX-7-08X12-D-P-D BK	6.2	36	1000
96	F9096080HB	FTX-9-08X12-D-P-D#S BK	6.2	36	1000
96	F40960812B	FTX-4-08X12-D-P-D BK	6.2	36	1000
144	F914412Y9B	FTX-9-12X12-D-P-D#S BK	7.8	57	2400
144	F71441201B	FTX-7-12X12-D-P-D BK	7.8	57	2400
144	F41441207B	FTX-4-12X12-D-P-D BK	7.8	57	2400
144	F91440607B	FTX-9-06X24-D-P-D BK	7.0	48	1100
288	F928824D0B	FTX-9-24X12-D-P-D#S BK	9.5	79	2100
432	F94321816B	FTX-9-18X24-D-P-D#S BK	11.2	109	1100

For additional fiber counts, please [contact the Teldor Sales Department.](#)

Prepared By	Revised By	Version Num	Modified on
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