

## FTX-9-06X24-D-P-D BK

**Part Number:** **F91440607B**

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

**General Construction:** Optimized for blown installation into micro ducts, the cable contains 144 color coded optical fibers, each with a 250um outer diameter. 24 optical fibers are contained in each loose tube which is filled with waterblocking gel. 6 loose tubes are SZ stranded around a dielectric central strength member to enable mid-sheath entry. The cable is protected with a outer jacket.

**Outer Jacket Material:** HDPE

**Outer Diameter:** 7.0 mm nom.

**Weight:** 44 kg/km



### Design & Materials

<b>Buffer Material:</b>	PBT
<b>Tube Diameter:</b>	2.0 mm nom.
<b>Fiber or Tube Color Code:</b>	<a href="#">Color Code:</a>
<b>Color Code:</b>	Per TIA/EIA 598-C
<b>Central Strength Member:</b>	FRP
<b>Cabling:</b>	SZ
<b>Fiber Containing Tubes:</b>	6
<b>Total Number of Tubes:</b>	6
<b>Number of fibers:</b>	144
<b>Waterblocking:</b>	Dry Waterblocking
<b>Rip-Cord:</b>	Yes
<b>Outer Jacket Color:</b>	Black
<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>Tensile Strength - Short Term:</b>	1100 N max.
<b>Tensile Strength - Long Term:</b>	660 N max.
<b>Impact Resistance:</b>	10 N*m
<b>Impact Resistance:</b>	3 cycles
<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>Torsion (L=125 x d):</b>	10 cycles
<b>Drip Test:</b>	80 °C
<b>Max. Operating Temperature:</b>	+70 °C
<b>Min. Operating Temperature:</b>	-30 °C
<b>Max. Installation Temperature:</b>	+45 °C
<b>Min. Installation Temperature:</b>	-25 °C
<b>Max. Storage Temperature:</b>	+70 °C
<b>Min. Storage Temperature:</b>	-40 °C
<b>UV Resistance:</b>	Yes
<b>Waterblocking:</b>	Yes

Prepared By	Revised By	Version Num	Modified on
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