

**Part Number:** **F30040441Z**

**Applications:** Centralized Cabling, Direct termination, Distribution to Riser cabling, General purpose indoor/outdoor LAN, Short and Medium distance distribution and trunking

**General Construction:** The cable contains 4 MM OM4 50/125/250 µm color coded optical fibers each with a 0.9 mm tight buffer. The buffered fibers are reinforced by aramid strength yarns and protected with a jacket.

**Outer Jacket Material:** FRNC-LSZH

**Outer Diameter:** 4.9 mm nom.

**Weight:** 28 kg/km



### Design & Materials

<b>Buffer Material:</b>	HFFR
<b>Buffer Diameter:</b>	900 µm
<b>Color Code:</b>	Per TIA/EIA 598-C
<b>Strength Elements:</b>	Aramid Yarns
<b>Number of fibers:</b>	4
<b>Waterblocking:</b>	Dry Waterblocking
<b>Rip-Cord:</b>	Yes
<b>Outer Jacket Color:</b>	Turquoise
<b>Marking:</b>	Per request

### Standards

<b>Applicable Standards:</b>	IEC 60794, IEC 60794-1-21/22, ISO/IEC 11801-1
<b>Flammability Rating:</b>	EN 61034-2, IEC 60332, IEC 60332-1, IEC 60332-3 , IEC 60754-2, IEC 60754-1/2, IEC 61034, IEC 61034-1/2, EN 50575:2014 Dcas2d2a1 (CPR)
<b>Installation:</b>	Guidelines as per IEC TR 62691

### Performance

<b>Max. Installation Tensile Load :</b>	1000 N max.
<b>Max. fiber strain at MIT:</b>	0.6 %
<b>Max. Residual Tension (MRS) :</b>	300 N max.
<b>Max. Fiber Strain at MRS.:</b>	0.2 %
<b>Impact Resistance:</b>	10 N*m
<b>Impact Resistance:</b>	3 cycles
<b>Max. Crush Resistance:</b>	3000 N/100 mm
<b>Min. Bend Radius for Installation:</b>	20xD mm
<b>Min. Bend Radius for Operation:</b>	10xD mm
<b>Repeated Bending:</b>	300 cycles
<b>Torsion (L=125 x d):</b>	10 cycles
<b>Max. Operating Temperature:</b>	+70 °C
<b>Min. Operating Temperature:</b>	-30 °C
<b>Max. Installation Temperature:</b>	+70 °C
<b>Min. Installation Temperature:</b>	-20 °C
<b>Max. Storage Temperature:</b>	+70 °C
<b>Min. Storage Temperature:</b>	-40 °C
<b>UV Resistance:</b>	Yes
<b>Waterblocking:</b>	Yes