

## SLA-3-01X08-KHRH-DD BK

**Part Number:** **F30080127B**

**Applications:** Campus Backbone, Campus Distribution cabling, Direct Burial Campus Backbone, General purpose armored Indoor/Outdoor, Rugged environments

**General Construction:** The cable contains 8 MM OM-4 color coded optical fibers, each with a 250µm outer diameter. The optical fibers are contained in a loose tube filled with thixotropic gel, that is reinforced and protected by waterblocking aramid strength yarns and encased within a inner jacket. The inner cable is wrapped with a waterblocking tape, armored and outer jacketed.

**Outer Jacket Material:** FR-LSZH  
**Outer Diameter:** 10.0 mm nom.  
**Weight:** 145 kg/km



## Design & Materials

<b>Buffer Material:</b>	PBT
<b>Tube Diameter:</b>	3.1 mm nom.
<b>Color Code:</b>	Per TIA/EIA 598-D
<b>Strength Elements:</b>	Aramid Yarns
<b>Inner Jacket Material:</b>	FR-LSZH
<b>Aarmor:</b>	Yes
<b>Armoring:</b>	Corrugated Steel - ECCS
<b>Aarmor Thickness (um):</b>	150 µm
<b>Number of fibers:</b>	8
<b>Waterblocking:</b>	Dry Waterblocking
<b>Rip-Cord:</b>	Yes
<b>Outer Jacket Color:</b>	Black
<b>Marking:</b>	Per request

## Standards

<b>Applicable Standards:</b>	IEC 60794-1-21/22, IEC 60794
<b>Flammability Rating:</b>	IEC 60332-1

## Performance

<b>Max. Installation Tensile Load :</b>	1800 N max.
<b>Max. fiber strain at MIT:</b>	0.6 %
<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>	400 N/cm
<b>Min. Bend Radius for Installation:</b>	20xD mm
<b>Min. Bend Radius for Operation:</b>	20xD mm
<b>Repeated Bending:</b>	25 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>	-40 °C
<b>Max. Installation Temperature:</b>	+45 °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

<b>Prepared By</b>	<b>Revised By</b>	<b>Version Num</b>	<b>Modified on</b>
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