

## MSL-4-01X06-JHRH-DD OG

**Part Number:** **F400601560**

**Applications:**

Campus Backbone, General purpose armored Indoor/Outdoor, Rugged environments

**General Construction:**

The cable contains 6 MM OM-3 color coded optical fibers, each with a 250µm outer diameter. The optical fibers are contained in a central loose tube filled with thixotropic gel. The tube is wrapped with a mica tape for heat protection, reinforced and protected by waterblocking fiber-glass strength yarns and encased within a inner jacket. A corrugated steel armor is longitudinally applied over the inner jacket. The outer jacket is extruded over the armoring.

**Outer Jacket Material:**

FR-LSZH

**Outer Diameter:**

11.5 mm nom.

**Weight:**

180 kg/km



## Design & Materials

<b>Buffer Material:</b>	PBT
<b>Tube Diameter:</b>	2.5 mm nom.
<b>Color Code:</b>	Per TIA/EIA 598-C
<b>Strength Elements:</b>	E-Glass Yarns
<b>Inner Jacket Material:</b>	FR-LSZH
<b>Armoring:</b>	Corrugated Steel - ECCS
<b>Total Number of Tubes:</b>	1
<b>Number of fibers:</b>	6
<b>Waterblocking:</b>	Dry Waterblocking
<b>Rip-Cord:</b>	Yes
<b>Outer Jacket Color:</b>	Yellow
<b>Marking:</b>	Per request

## Standards

<b>Applicable Standards:</b>	IEC 60794-1-21/22, IEC 60794, ISO/IEC 11801-1, TIA/EIA-568, EIA/TIA-455
<b>Flammability Rating:</b>	IEC 60331-25, IEC 60332-1
<b>Installation:</b>	Guidelines as per IEC TR 62691

## Performance

<b>Max. Installation Tensile Load :</b>	2700 N max.
<b>Max. Residual Tension (MRS) :</b>	1600 N max.
<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

Prepared By	Revised By	Version Num	Modified on
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