

MSL-4-01X06-JHRH-DD OG

Part Number: **F400601570**

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: 13 mm nom.
Weight: 220 kg/km



Design & Materials

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

Standards

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

Performance

Max. Installation Tensile Load :	1800 N max.
Max. Residual Tension (MRS) :	1000 N max.
Impact Resistance:	10 N*m
Impact Resistance:	3 cycles
Max. Crush Resistance:	400 N/cm
Min. Bend Radius for Installation:	20xD mm
Min. Bend Radius for Operation:	20xD mm
Repeated Bending:	25 cycles
Torsion (L=125 x d):	10 cycles
Drip Test:	80 °C
Max. Operating Temperature:	+70 °C
Min. Operating Temperature:	-40 °C
Max. Installation Temperature:	+45 °C
Min. Installation Temperature:	-20 °C
Max. Storage Temperature:	+70 °C
Min. Storage Temperature:	-40 °C
UV Resistance:	Yes
Waterblocking:	Yes

Prepared By	Revised By	Version Num	Modified on
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