

## SDA-4-04HT\H-D-KHRH-DD OG

**Part Number:** **F400404790**

**Applications:** Campus Backbone, Direct Burial Campus Backbone, General purpose armored Indoor/Outdoor, Outdoor Plant Duct Installation

**General Construction:** The cable consists of 4 MM OM-3 optical fibers each with a 0.9 mm buffer, reinforced and protected by aramid yarns and jacketed to form mini cables. These color-coded 2.0 mm mini cables are stranded together around a dielectric central strength member. The cable is reinforced by water-blocking aramid strength yarns and protected with an inner jacket. The cable core is covered with a water-blocking tape, armored and outer jacketed.

**Outer Jacket Material:** FR-LSZH

**Outer Diameter:** 11.5 mm nom.

**Weight:** 177 kg/km



## Design & Materials

<b>Buffer Material:</b>	FR-LSZH
<b>Buffer Diameter:</b>	900 µm
<b>Sub-unit/Mini cable Diameter:</b>	2 mm. nom.
<b>Central Strength Member:</b>	FRP
<b>Strength Elements:</b>	Aramid Yarns
<b>Inner Jacket Material:</b>	FR-LSZH
<b>Armor:</b>	Yes
<b>Armoring:</b>	Corrugated Steel - ECCS
<b>Armor Thickness (um):</b>	150 µm
<b>Number of fibers:</b>	4
<b>Waterblocking:</b>	Dry Waterblocking
<b>Rip-Cord:</b>	Yes
<b>Outer Jacket Color:</b>	Orange
<b>Marking:</b>	Per request

## Standards

<b>Applicable Standards:</b>	IEC 60794-1-21/22, IEC 60794
<b>Installation:</b>	Guidelines as per IEC TR 62691

## Performance

<b>Max. Installation Tensile Load :</b>	1800 N max.
<b>Max. fiber strain at MIT:</b>	0.6 %
<b>Max. Residual Tension (MRS) :</b>	540 N max.
<b>Max. Fiber Strain at MRS.:</b>	0.2 %
<b>Impact Resistance:</b>	5 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>Max. Operating Temperature:</b>	+75 °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>	+75 °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
Zuri Balal	David Miller	1.4	24-06-2021

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**Teldor Cables & Systems Ltd.** - Ein-Dor, 1933500  
6770650

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Tel: +972 4 6770555 Fax: +972 4