

## SDA-3-04HT/H-D-KHRH-DD#S BK

**Part Number:** F30040404B

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

**General Construction:** The cable consists of 4 MM OM4 50/125/250 µm optical fibers each with a 0.9 mm buffer, reinforced and protected by aramid strength yarns and jacketed to form mini cables. These color-coded 2.0 mm mini cables are stranded around a dielectric central strength member. The cable core is reinforced by water-blocking aramid strength yarns and protected with an inner jacket. A corrugated steel armor is longitudinally applied over the inner jacket. An outer jacket extruded over the armoring completes the cable structure. Rip cords are added to facilitate removal of armor and jackets.

**Outer Jacket Material:** LSZH

**Outer Diameter:** 11.7 mm nom.

**Weight:** 180 kg/km



## Design & Materials

<b>Buffer Material:</b>	HFFR
<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>	LSZH
<b>Inner Jacket Thickness:</b>	6.7 mm nom.
<b>Inner Jacket Color:</b>	Turquoise
<b>Armor:</b>	Yes
<b>Armoring:</b>	Corrugated Steel - ECCS
<b>Number of fibers:</b>	4
<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
<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>	0.3 %
<b>Impact Resistance:</b>	10 N*m
<b>Impact Resistance:</b>	3 cycles
<b>Max. Crush Resistance:</b>	500 N/cm
<b>Min. Bend Radius for Installation:</b>	20xD mm
<b>Min. Bend Radius for Operation:</b>	20xD mm
<b>Max. Operating Temperature:</b>	+70 °C
<b>Min. Operating Temperature:</b>	-40 °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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