

SDA-3-10HT\H-D-HRH-DD#S BK

Part Number: **F30101001B**

Applications:

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

General Construction:

The cable consists of 10 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 and overall jacketed. 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.

The cable complies with the flammability and smoke emission requirements of DEF 61-12 part 18"
Max short term (up to 20 min) elevated temperature is 85°C

Outer Jacket Material:

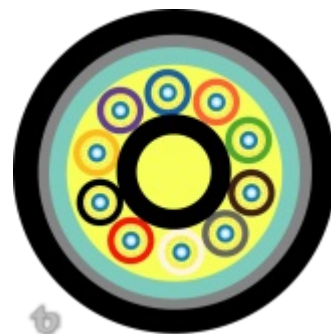
LSZH

Outer Diameter:

17 mm nom.

Weight:

365 kg/km



Design & Materials

Buffer Material:	HFFR
Buffer Diameter:	900 µm
Sub-unit/ Mini cable Diameter:	2 mm. nom.
Color Code:	Per TIA/EIA 598-D
Central Strength Member:	FRP
Inner Jacket Material:	LSZH
Inner Jacket Thickness:	11.4 mm nom.
Inner Jacket Color:	Turquoise
Armor:	Yes
Armoring:	Corrugated Steel - ECCS
Number of fibers:	10
Waterblocking:	Dry Waterblocking
Rip-Cord:	Yes
Outer Jacket Color:	Black
Marking:	Per request

Standards

Applicable Standards:	IEC 60794, IEC 60794-1-21/22, ISO/IEC 11801-1
Flammability Rating:	IEC 60332-1

Performance

Max. Installation Tensile Load :	4000 N max.
Max. fiber strain at MIT:	0.6 %
Max. Fiber Strain at MRS.:	0.2 %
Impact Resistance:	10 N*m
Impact Resistance:	3 cycles
Max. Crush Resistance:	500 N/cm
Min. Bend Radius for Installation:	20xD mm
Min. Bend Radius for Operation:	20xD mm
Max. Operating Temperature:	+80 °C
Min. Operating Temperature:	-40 °C
Max. Storage Temperature:	+80 °C
Min. Storage Temperature:	-40 °C
UV Resistance:	Yes
Waterblocking:	Yes

Prepared By	Revised By	Version Num	Modified on
Zuri Balal	Zuri Balal	4.0	15-05-2023

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