

Alcadon

LD24xOM3+24x090



Part Number: **FM0480463E**

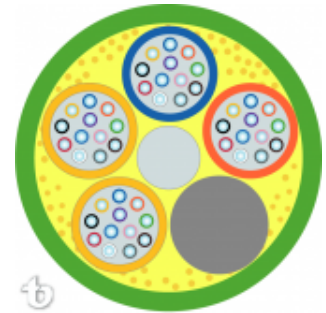
Applications: Long Distance OSP, Outdoor Plant Duct Installation

General Construction: The cable consists of 24 color-coded SM G652D optical fibers in 2 color-coded loose tubes and 24 color-coded MM OM3 optical fibers contained in 2 other color-coded loose tubes. These tubes are filled with a thixotropic gel to prevent the ingress of water and SZ stranded with one filler around a dielectric central strength member. Fiber-glass strength yarns reinforce the cable core and an outer jacket completes the cable structure. Tubes color code:
OM-3: 1.Blue 2.Orange
SM: 3.Yellow 4.Yellow

Outer Jacket Material: HFFR

Outer Diameter: 9.5 mm nom.

Weight: 97 kg/km



Design & Materials

Buffer Material:	PBT
Tube Diameter:	2.1 mm nom.
Color Code:	Per TIA/EIA 598-C
Central Strength Member:	FRP
Cabling:	SZ
Strength Elements:	E-Glass Yarns
Fiber Containing Tubes:	4
Total Number of Tubes:	5
Number of fibers:	48
Waterblocking:	Dry Waterblocking
Rip-Cord:	Yes
Outer Jacket Color:	Green
Marking:	Per request

Standards

Applicable Standards:	IEC 60794, IEC 60794-1-21/22, ISO/IEC 11801-1, TIA/EIA-568
Installation:	Guidelines as per IEC TR 62691

Performance

Tensile Strength - Short Term:	2700 N max.
Tensile Strength - Long Term:	1600 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:	10xD mm
Repeated Bending:	25 cycles
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