



**Part Number: GCAID84**

**Indoor/Outdoor Loose Tube 84 Fibers OM3**

**Product Description**

Universal (Indoor/Outdoor) Dry Core Multi Loose Tube Optical Cable 84 x 50/125-OM3 A/I-DQ(ZN)H

**Technical Specifications**

**Product Overview**

Construction Type:	Multi Loose Tube
Environmental Space:	Indoor/Outdoor
Suitable Applications:	For outdoor and indoor use in structured (data) wiring systems such as campus backbone. For outdoor and indoor use in networks for Telecom, Cable TV and/ or Broadcast. Easy to install in ducts, tunnels and trenches and/or tubes.

**Construction**

**Fiber Cable Construction**

Fiber Type	Fiber Count	Subunit Color
OM3	84	TIA coding (Gxxxxx.T): Blue, Orange, Green, Brown, Gray, White, Red

Fiber Type:	OM3
Fiber Count:	84
Fiber Color Coding:	TIA coding (Gxxxxx.T): Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua

**Buffer Specification**

Fiber Type	
OM3	
Central Strength Member:	GRP
Cable Core Water Blocking:	Waterblocking Aramid Yarns + Tape
Bulk Cable Weight:	113 kg/km

**SubUnit Specifications**

Number of Active Subunits:	7
Number of Subunit Positions:	8
Fibers Per Subunit:	12
SubUnit Diameter:	1.9 mm
SubUnit Waterblocking:	Gel Filled

**Jacket Specifications**

Number of Jackets:	Single Jacket
Type of Armor:	Non-Armored

**Outer Jacket Material**

Material	Nominal Diameter	Ripcord
LSZH - Low Smoke Zero Halogen	10.5 mm	1

**Optical Characteristics**

Fiber Core Diameter:	50 µm
Max Attenuation at 1300 nm:	1.0 dB/km

Max Attenuation at 850 nm:	2.9 dB/km
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## Mechanical Characteristics

Min Bend Radius During Installation:	210 mm
Min Bend Radius During Operation:	158 mm
Max Tensile Strength During Installation:	2700 N (607 lbf)
Max Tensile Strength During Operation:	900 N (202 lbf)

## Temperature Range

Operating Temp Range:	-30 °C to +70 °C
Installation Temp Range:	-5 °C to +50 °C
Storage Temp Range:	-30 °C to +70 °C

## Tensile Strength

Max Tensile Strength During Inst - Test Standard:	IEC 60794-1-21-E1
Max Tensile Strength During Operation - Test Standard:	IEC 60794-1-21-E1

## Standards

UL Rating/Flame Test:	Non-UL Rated
Reaction to Fire - Bundle Flame Test:	IEC 60332-3-24
REACH:	Compliant
ISO/IEC Compliance:	IEC 60794
EU Directive 2011/65/EU (ROHS II):	Compliant
UV/ Sunlight Protection:	yes

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