



**Product:** [GBAF844](#)

Outdoor Loose Tube 144 Fibers G652D/G657A1-OS2

### Product Description

Outdoor Dry Core Multi Loose Tube Optical Cable 144 x 9/125-G652D/G657A1-OS2 A-DQ(ZN)2Y

### Technical Specifications

Construction Type:	Multi Loose Tube
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### Product Overview

Environmental Space:	Outdoor
Suitable Applications:	For outdoor use in structured (data) wiring systems such as campus backbone. For outdoor 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 Grade acc. ITU-T	Fiber Count	Subunit Color	Subunit Color 2
OS2	G652D & G657A1	144	TIA coding (Gxxxxx.T): Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua	Europe coding (Gxxxxx.0): Red, Green, Rest White
Fiber Color Coding:	TIA coding (Gxxxxx.T): Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua			
Fiber Color Coding 2:	Europe coding (Gxxxxx.0): Red, Natural, Yellow, Blue, Green, Violet, Brown, Black, Orange, Aqua, Pink, White			
Central Strength Member:	GRP			
Cable Core Water Tight:	Yes			
Cable Core Water Blocking:	Waterblocking Aramid Yarns + Tape			
Bulk Cable Weight:	192 kg/km			

### SubUnit Specifications

Number of Active Subunits:	12
Number of Subunit Positions:	12
Fibers Per Subunit:	12
SubUnit Diameter:	0.098 in (2.5 mm)
SubUnit Waterblocking:	Gel Filled

### Jacket Specifications

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

#### Outer Jacket Material

Material	Color	Nominal Diameter	Ripcord
PE - Polyethylene	Black	17.0 mm	1

### Optical Characteristics

Fiber Core Diameter:	9 µm
Max Attenuation at 1310 nm:	0.39 dB/km
Max Attenuation at 1550 nm:	0.24 dB/km

### Mechanical Characteristics

## Mechanical Tests

Description	Tested Standard	Requirement/Value	According to Family Specification
Cable Min. Bend Radius Installation (Short Term)	IEC 60794-1-21-E6	340 mm	IEC 60794-3-10
Cable Min. Bend Radius Operation (Long Term)	IEC 60794-1-21-E11	340 mm	IEC 60794-3-10
Cable Max. Tensile Strength Installation (Short Term)	IEC 60794-1-21-E1	3450 N (776 lbf)	IEC 60794-3-10
Cable Max. Tensile Strength Operation (Long Term)	IEC 60794-1-21-E1	1150 N (259 lbf)	IEC 60794-3-10
Cable Max. Crush Resistance Installation (Short Term)	IEC 60794-1-21-E3	15 kN/m	
Cable Max. Crush Resistance Operation (Long Term)	IEC 60794-1-21-E3	7.5 kN/m	IEC 60794-3-10

## 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

## Standards

UL Rating/Flame Test:	Non-UL Rated
REACH:	Compliant
ISO/IEC Compliance:	IEC 60794
EU Directive 2011/65/EU (ROHS II):	Compliant
UV/ Sunlight Protection:	yes

## History

### Variants

Item #	Color	Length
GBAF844.002100	Black	2,100 m

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