



**Product:** [B98439](#)

## Tactical Cable OS2 12 Fibers

### Product Description

FiberExpress Tactical Cable, 12-Fiber, OS2, with Black Jacket, Small & Lightweight, Ideal for repeated deployment and retrieval cycles, superior crush resistance.

### Technical Specifications

#### Product Overview

|                        |          |
|------------------------|----------|
| Construction Type:     | Tactical |
| Suitable Applications: | Outdoor  |

#### Construction

##### Fiber Cable Construction

| Fiber Type | Fiber Count |
|------------|-------------|
| OS2        | 12          |

|                     |           |
|---------------------|-----------|
| Fiber Color Coding: | TIA-598-D |
|---------------------|-----------|

##### Buffer Specification

| Buffer Material | Buffer Diameter |
|-----------------|-----------------|
| Thermoplastic   | 900 +35um/-50um |

|                    |               |
|--------------------|---------------|
| Bulk Cable Weight: | 39 lbs/1000ft |
|--------------------|---------------|

#### Jacket Specifications

|                    |               |
|--------------------|---------------|
| Number of Jackets: | Single Jacket |
|--------------------|---------------|

#### Outer Jacket Specifications

##### Outer Jacket

| Material           | Nominal Diameter |
|--------------------|------------------|
| PUR - Polyurethane | 0.24             |

|                     |       |
|---------------------|-------|
| Color:              | Black |
| Number of Ripcords: | 1     |

#### Optical Characteristics

|                                  |               |
|----------------------------------|---------------|
| Mode Field Diameter:             | 9.2um         |
| Max. Attenuation at 1310 nm:     | 0.50 dB/km    |
| Max. Attenuation at 1550 nm:     | 0.50 dB/km    |
| Wavelength:                      | 1310/1550     |
| 10 Gigabit Ethernet Performance: | 10,000/40,000 |
| 1 Gigabit Ethernet Performance:  | 5000/-        |

#### Mechanical Characteristics

##### Mechanical Tests

| Description | Requirement/Value |
|-------------|-------------------|
|-------------|-------------------|

|   |                |
|---|----------------|
| Cable Min. Bend Radius Installation (Short Term)      | 20x            |
| Cable Min. Bend Radius Operation (Long Term)          | 10x            |
| Cable Max. Tensile Strength Installation (Short Term) | 330 N (74 lbf) |
| Cable Max. Tensile Strength Operation (Long Term)     | 150 N (34 lbf) |

## Temperature Range

|                                 |                |
|---------------------------------|----------------|
| Operating Temperature Range:    | -46C to +85C   |
| Installation Temperature Range: | -55°C To +85°C |
| Storage Temperature Range:      | -70°C To +85°C |

## Standards

|       |     |
|-------|-----|
| RoHS: | Yes |
|-------|-----|

## Related Part Numbers

### Variants

| Item # | Color | Put-Up Type | UPC          |
|--------|-------|-------------|--------------|
| B98439 | Green | Reel        | 845671002485 |

## History

|                      |   |
|----------------------|---|
| Update and Revision: | Revision Number: 0.37 Revision Date: 11-09-2022 |
|----------------------|---|

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