



**Product:** [TF-SLG-144-R25](#)

Factory, In+Outdoor, MLT, OS2, 144f, Gel Tubes 2.8mm, Dbl Jkt - PVC, OFNR, O3 UV Oil Res

## Product Description

Factory Grade, Indoor/Outdoor, Multi-Loose-Tube, OS2, 144 Fibers, Gel Filled Tubes 2.8mm, Double Jacket - PVC, OFNR, Ozone, UV, Oil Res

## Technical Specifications

### Product Overview

Product Category:	Fiber Multi-Loose Tube Cable
Suitable Applications:	Extended Distance Horizontal & Backbone Data/Telco Network, Noisy Environment, Indoor/Outdoor & Wet Locations

### Fiber Specifications

Fiber Type:	OS2
Fiber Core Diameter:	8.2 $\mu$ m
Fiber Diameter:	250 $\mu$ m
Fiber Count:	144
Fiber Color Coding:	TIA-598-D

### Cable Construction

Number of Active Subunits:	12
Fibers Per Subunit:	12
Subunit Waterblocking:	Gel Filled
Subunit Diameter:	0.110 in (2.8 mm)
Subunit Color:	TIA-598-D
Central Strength Member:	Upjacketed GRP
Core Wrap:	Waterblocking Tape

### Inner Jacket Specifications

Strength Member:	Waterblocking Aramid Yarns
Material:	PVC - Polyvinyl Chloride
Color:	Black

### Outer Jacket Specifications

Strength Member:	Waterblocking Aramid Yarns
Jacket Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.761 in (19.3 mm)

### Optical Characteristics

Wavelength	1310 nm	1550 nm
Max. Attenuation	0.40 dB/km	0.30 dB/km
Mode Field Diameter	9.2 $\mu$ m	10.4 $\mu$ m
1 Gigabit Ethernet Performance	5,000 m	--
10 Gigabit Ethernet Performance	10,000 m	40,000 m

### Mechanical Characteristics

Min. Bend Radius During Installation:	15x Cable OD
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Min. Bend Radius During Operation:	10x Cable OD
Max. Tensile Strength During Installation:	2670 N (600 lbf)
Max. Tensile Strength During Operation:	800 N (180 lbf)
Crush Resistance:	220 N/cm
Bulk Cable Weight:	231 lbs/kft (344 kg/km)

Temperature Range

Installation Temperature Range:	-10°C to +60°C
Operating Temperature Range:	-40°C to +70°C
Storage Temperature Range:	-40°C to +70°C

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Sunlight Resistance, Oil Resistance
Flammability / Reaction to Fire:	OFNR, FT4
ICEA Compliance:	S-104-696

Product Notes

Notes:	Ozone, Hydraulic fluid resistant
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History

Update and Revision:	Revision Number: 0.22 Revision Date: 11-14-2022
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Part Numbers

Variants

Item #	Color	Putup Type
TF-SLG-144-R25N	Black	Reel

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