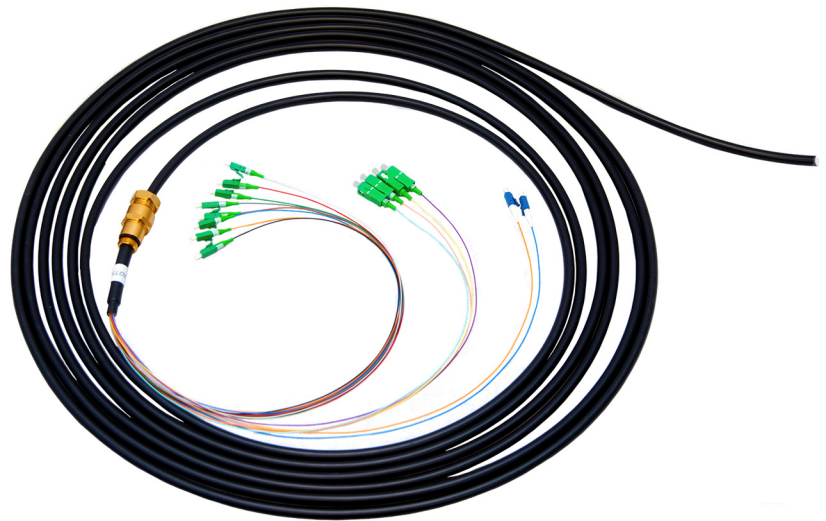


Trans Max[®] Optical Hub Series

Fiber Service Cables

FEATURES

- Connectorized outdoor service cables designed to simplify hub installations
- Multiple fiber connector options support a wide range of RFoG/HPON[™] designs
- Intuitive color coded fibers simplify connections and maintenance
- Provides excellent environmental protection including water blocking
- High mechanical integrity including impact resistance, compressive and tensile strength



PRODUCT OVERVIEW

ARRIS provides a series of non-armored, loose-tube buffer single-mode fiber service cables designed to simplify Trans Max[®] optical hub installations. Each cable features a feed-through housing connector that provides a non-slip strain-relief connection, high pull/push force protection and environmental seal integrity. The connectorized ends within the node feature various connector types to eliminate the need for additional pigtail jumpers within the Trans Max. The 900 micron breakout fibers are either color coded and/or labeled, to help simplify installation and maintenance. The unconnectorized end of the cable assembly presents the technician with the loose tubes and all strength members, dielectric and/or aramid fibers ready to prepare for fusion splicing to fiber trunks. ARRIS fiber service cables combine performance, quality and reliability to ensure dependable hub operation.

SPECIFICATIONS (COMMON)

Characteristic	Specification
Fiber	
Optical Wavelength	O, E, S, C and L Bands
Fiber Type (GR-20-CORE)	Corning SMF-28e or equivalent
Return Loss	-55 dB Max.
Insertion Loss ¹	0.3 dB Max.
Physical	
Total Cable Length (m)	15
Breakout Lengths (m)	0.78
Breakout Diameter (μ)	900
Outside Diameter (mm)	14
Weight/length (kg/km)	116
Bend Radius at Installation (cm)	25
Environmental	
Operational/Storage/Installation Temperature (°C) per FOTP-3	-40 to +80
Water Blocking per FOTP-82	1 meter head of water on un-aged sample for 24 hours shall result in no water leak through the end of cable
Notes:	
1. Initial (start of service life) values	
2. -005 has feedthrough connector on each end	

ORDERING INFORMATION

Part Number	Use Cases	Number of Fibers and Breakout Subunits	Connector Type On Cable End With Feedthrough Connector
1509549-001	Fiber service cable for a TM4100 with 8 FLMs installed. The 8 LC/UPC (plus one spare) are used to connect the PON output of the FLMs for distribution to the subscriber side	9	LC/UPC
1509549-002	Fiber service cable for the TM4100 RFoG repeater. The 8 LC/APC (plus one spare) are used to connect the combined RFoG outputs to the subscriber side	9	LC/APC
1509549-003	Fiber service cable (to/from headend) to TM4100 without PON injection	4 2	SC/APC LC/UPC
1509549-004	Fiber service cable (to/from headend) to TM4100 with PON injection	8 4 2	LC/APC SC/APC LC/UPC
1509549-005	Fiber service to connect a TM4100 with 8 FLM modules to a TM4100 RFoG repeater	9	LC/APC LC/UPC

RELATED PRODUCTS

CHP Transmitters	Optical Patch Cords
CHP Receivers	Optical Passives
Management Module	Installation Services

Note: Specifications are subject to change without notice.

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Trans Max FiberServiceCable_DS_30SEPT15

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Ask us about the complete Access Technologies Solutions portfolio:

Trans Max-Fiber Service Cable