Fiber Trunks
Direct Connect

Amphenol fiber trunk direct connect solutions offer fiber optic connectivity in a single cable, with up to 48 fiber pairs available.

A single trunk enables connectivity to several RRH's without the need for a tower-top distribution box.
The fiber trunk direct connect boxless solution is the most efficient and easiest to install solution on the market.

The plug and play installation system is one of preferred choices of many communication equipment manufacturers and operators.

An outdoor heat shrink divider splits fiber cables into separate ruggedized short branches equipped with fiber optic outdoor harsh environment connectors. The connection to the RRH is ensured with factory terminated Fiber jumpers with RRH interface (large range available to fit most of RRH in the market). An alternative system with metal canister is available. The metal canister provides a secure and reliable hoisting and grounding mechanism.

Features and Benefits

Single fiber cable running to the RRH

Boxless solution limiting esthetical impact, weight and wind load risk

Fastest and easiest to install solution compared to conventional box

Only RRH jumpers need to be changed when equipment is upgraded:
    Easy to maintain
    Future proof design

Available in configurations up to 48 fiber pairs

LC Duplex connectors on BTS side

AARC connectors on tower-top side

 Singlemode and multimode fiber available

Factory terminated assemblies provide reliable performance

Protective Pulling sockets at Tower Top side (branch and canister), waterproof protection tube at BTS side

Specifications

Fiber trunk cable
    Jacket Material: PVC or LSZH

Fiber Optic: 5mm cable with 2 fibers

Bending radius:
    Long term - 15x diameter
    Short term: 20x diameter

Crush resistance: 2000 N/m

Cable shielding: Copper Tape

Flame retardant: IEC 60032-1

Temperature range
    Operating: -40 to 80°C
    Installation: -30 to 60°C

Canister system
    Number of Power pairs: up to 9
    Number of Fiber pairs: up to 48

Canister dimension:
    Varies per configuration

    Canister Material:
    Anodized aluminum

1 to 48 fiber capacity

Impact resistance: UL-746C

UV resistant: UL 1581 Sec. 1200

Material flammability rating: UL-94

Industry Compliance

OFNR/FT-4 and IEEE Flammability
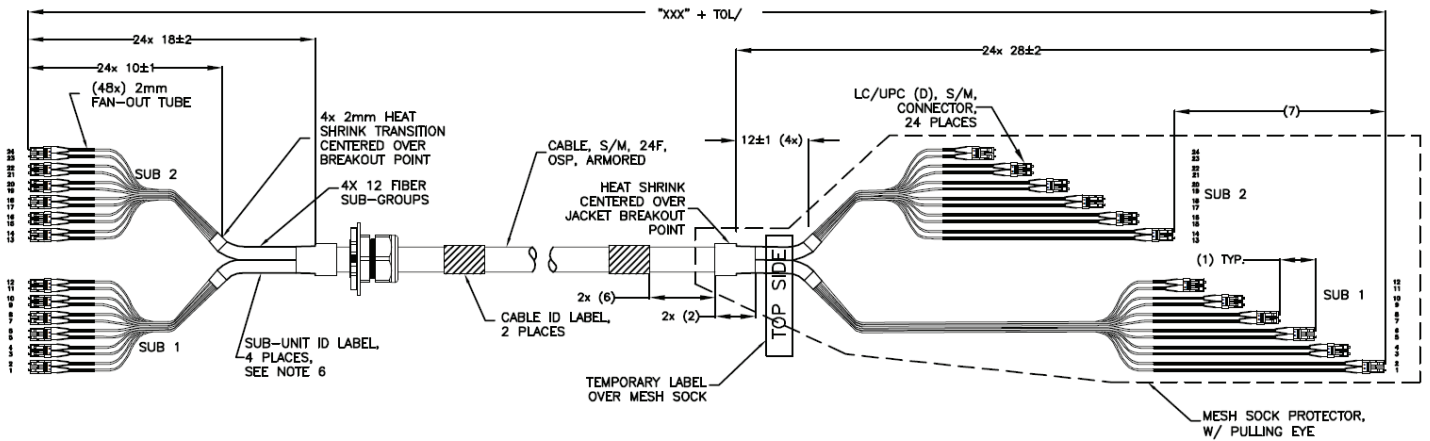
RoHS compliant

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Applications

FTTA	Outdoor Areas
Wireless	Industrial

Ordering Information

Part Number	Description
942-98663-10040	FIBER TRUNK, SM, 24F, LC(D)-LC(D), 40M
942-98664-10020	FIBER TRUNK, SM, 24F, LC(D)-AARC, 20M
943-99789-10035	FIBER TRUNK, MM, 24F, LC(D)-LC(D), 35M

*Please call customer service for additional configurations