Cable Assemblies with Connection Box

Terminated Cables with Closure for FTTA Applications

Features

- Fiber Termination for up to 24 RRU units.
- LC adapters for easy installation
- Discrete design and low visual impact
- Durable UV-protected plastic
- Dielectric
- Protection level IP53 with respect to dust and water
- Adapted for smooth and fast installation
- Pre terminated with LC connectors in both ends
- Optical fiber SM G.657.A1 bend insensitive
- Jacket made of halogen-free weather proof material

- Intended for outdoor applications
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Application

Cable and termination box system for interconnecting optical links between RRU and the RBS in outdoor radio base applications .

Design

The Fiber Termination Box is designed to handle up to 24 RRU systems with a pre-connected 48 fiber cable with LC connectors. In order to keep the fibers collected, they are organized in groups (4f / group) using adhesive tape applied on connectors/ fan out and in the middle of fan out. The tape is easy to remove.
On MU side, the fan out of the grouped connectors is stacked with a distance of 60 mm.
Cable entering the box is sealed with a plastic bushing.
FTTA Jumper cables to the RRUs, i.e. LCD-LCD, (LC(FullAXS)-LCD) are available as option. Length up to 10m of optical jumper cables can be handled within the box.
The Fiber Termination Box is made of UV-protective plastics, Polycarbonate (PC). The box is intended for mounting on poles up to Ø110 mm with hose clamps.

Technical Information

Product Color	Dark grey
Temperature, Operation [°C]	-30 to +70
Temperature, Storage [°C]	-30 to +70
IP Rating	IP53
Reaction to Fire	UL94V0
Fiber Type	G657A1
Technical Notes	UV protected
Ordering Information	For fast and easy installation the fiber cable is pre mounted in the Fiber Termination Box and coiled and fixed in suitable plastic bags/packing bolster.
	Recommended cable clamps for installation are NTM 201 4156/X
	Package size: 600x600x150 mm

Technical Details

12-24 RRU FTTA System Solution

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Articles

Article name	No. of Fibers	Diameter Ø [mm]	Dimensions [mm]	Weight [kg/km]	Weight [kg]	Length [m]
FTTA 24LC SM NTM5041136/25M	24	5.7	300 × 240 × 110	–	2.38	25
FTTA 24LC SM NTM5041136/50M	24	5.7	300 × 240 × 110	–	3.08	50
FTTA 24LC SM NTM5041136/65M	24	5.7	300 × 240 × 110	–	3.5	65
FTTA 24LC SM NTM5041136/80M	24	5.7	300 × 240 × 110	–	3.92	80
FTTA 24LC SM NTM5041136/95M	24	5.7	300 × 240 × 110	–	4.34	95
FTTA 24LC SM NTM5041136/130M	24	5.7	300 × 240 × 110	–	5.32	130
FTTA 24LC SM NTM5041136/170M	24	5.7	300 × 240 × 110	–	8	170
FTTA 24LC SM NTM5041136/200M	24	5.7	300 × 240 × 110	–	7.28	200
FTTA 24LC SM NTM5041136/250M	24	5.7	300 × 240 × 110	–	8.68	250
FTTA 24LC SM NTM5041136/300M	24	5.7	300 × 240 × 110	–	10.08	300
FTTA 48LC SM NTM5041135/130M	48	5.7	300 × 240 × 110	6	5.32	130
FTTA 48LC SM NTM5041135/25M	48	5.7	300 × 240 × 110	2	2.38	25
FTTA 48LC SM NTM5041135/50M	48	5.7	300 × 240 × 110	3.5	3.08	50
FTTA 48LC SM NTM5041135/65M	48	5.7	300 × 240 × 110	4	3.5	65
FTTA 48LC SM NTM5041135/80M	48	5.7	300 × 240 × 110	4.5	3.92	80
FTTA 48LC SM NTM5041135/95M	48	5.7	300 × 240 × 110	5	4.34	95
FTTA 48LC SM NTM5041135/170M	48	5.7	300 × 240 × 110	–	8	170