FTTA Fiber Trunk Cable for RRU

Fiber Cable Assembly for Pole and Tower Mounting

Features

- Robust and slim cable assembly
- For pole and tower mounting
- Breakout unit with narrow canister design
- Very small wind load and low visual impact
- Pre terminated with outdoor water protected RDC connectors
- Designed to be extended with fiber jumper cables to RRU
- LC connectors at BBU side
- Ripcord below jacket for easy length adjustment
- Flame retardant design
- Flexible and easy handling for excess cable storage
- For 6 and 12 system RRUs

Application

Cable assembly for interconnecting optical links between main and remote units for outdoor and indoor radio base applications.

Design

- Breakout RRU: Fan-out with RDC duplex connectors for each fiber pair (RDCf, female)
- Breakout Indoor part: LC-duplex connectors
- Fiber type: Tight buffered SM G.657.A1 fibers
- Fiber capacity: 12/24 fibers
- Jacket: Halogen free, flame retardant

Product Information

The cable assembly consist of protected bend resistant G657A1 fibers. The desing provides several fiber connections from baseband units (BBU) to remote radio units (RRU) in a slim cable. This facilitates installation and occupies less space on towers and buildings.

Technical Information

Product Color	Black
Temperature, Operation [°C]	-40 to +70
Temperature, Installation [°C]	-10 to +50
Reaction to Fire	OFNR UL1666
Fiber Type	G657A1
Attenuation @Wavelength [nm]	1310/1550
Maximum Attenuation [dB/km]	0.35/0.25
Insertion Loss, max [dB]	LCD: 0.25, RDC: 0.50
Return Loss, min [dB]	50
Conformance	UV resistance: UL1581

Ordering Information

The cable assembly is delivered in box or cardboard drum as noted below:

- Length ≤ 20 m 1 pcs in box
- 20 m < Length < 80 m 1 pce on cardboard drum (Ø 500 mm)
- 80 m ≤ Length < 150 m 1 pce on cardboard drum (Ø ext.500 mm)
- Length ≥ 150 m 1 pcs on cardboard drum (Ø 800 mm)

Articles

Article name	Weight [kg/km]	Length [m]
FTTA fiber trunk RDC(f)-LC 12f G657 HRPM254120/20M	3	20
FTTA fiber trunk RDC(f)-LC 12f G657 HRPM254120/40M	4	40
FTTA fiber trunk RDC(f)-LC 12f G657 HRPM254120/60M	5	60
FTTA fiber trunk RDC(f)-LC 12f G657 HRPM254120/80M	6	80
FTTA fiber trunk RDC(f)-LC 12f G657 HRPM254120/120M	8	120
FTTA fiber trunk RDC(f)-LC 24f G657 HRPM254121/60M	10	60
FTTA fiber trunk RDC(f)-LC 24f G657 HRPM254121/50M	10	50
FTTA fiber trunk RDC(f)-LC 24f G657 HRPM254121/120M	10	120