



Hybrid Cable Assembly for RRU

Hybrid fiber optic and power cable assembly for FTTA interconnect applications

Features

- Robust and slim hybrid 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

Application

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

Design

Fiber optic

- Breakout RRU: Fan-out with RDC or RQC connectors for each fiber pair
- Breakout Indoor part: LC connectors
- Fiber type: Tight buffered SM G.657.A2 fibers

Power

- Breakout RRU: 5 m screened power jumper with 4 or 6 mm² power cords, color coded blue and black
- Conductors: Tinned copper stranded class 5
- Screen: Aluminum tape and tinned copper braid
- Breakout, Indoor: Power cords colored blue and black and number marked
- Conductors: Tinned copper stranded class 5, size according to ordering info

Hybrid cable

- Ripcord: Aramid yarn
- Drain wire: Tinned copper stranded, class 5
- Screen: Aluminum tape and drain wire
- Jacket: Halogen free, flame retardant

Product Information

The cable assembly consist of protected bend resistant G657A2 fibers as well as power conductors. The hybrid desing provides both power and fiber connection from baseband units (BBU) to remote radio units (RRU) with a single cable. This facilitates installation and occupies less space on towers and buildings.

Technical Information

Product Color	Black
Temperature, Operation [°C]	-40 to +80
Reaction to Fire	EN 50575: B2ca-s1, d0
Fiber Type	G657A2
Attenuation @Wavelength [nm]	1310/1550

Maximum Attenuation [dB/km]	0.4/0.25
Insertion Loss, max [dB]	0.3
Voltage Rating [V]	100
Ordering Information	<p>The cable assembly is delivered on a double flanged drum, with cable ends well protected for fast end safe installation in radio site applications.</p> <p>Pre-mounted hoisting grip enables a fast and secure installation.</p>

Technical Details



Hybrid cable assembly - BBU end



Hybrid cable assembly delivered on double-flanged reel

Articles

Article name	Color	Weight [kg/km]	Length [m]
Hybrid 6+6 6mm2 G657A2 20M 2/HRPM254110/20M	Black	64.2	20
Hybrid 6+6 6mm2 G657A2 30M 2/HRPM254110/30M	Black	77	30
Hybrid 6+6 6mm2 G657A2 40M 2/HRPM254110/40M	Black	89.8	40
Hybrid 6+6 6mm2 G657A2 50M 2/HRPM254110/50M	Black	102.6	50
Hybrid 6+6 6mm2 G657A2 60M 2/HRPM254110/60M	Black	115.4	60
Hybrid 6+6 6mm2 G657A2 70M 2/HRPM254110/70M	Black	128.2	70
Hybrid 6+6 6mm2 G657A2 80M 2/HRPM254110/80M	Black	141	80
Hybrid 6+6 6mm2 G657A2 90M 2/HRPM254110/90M	Black	153.8	90
Hybrid 6+6 6mm2 G657A2 100M 2/HRPM254110/100	Black	166.6	100
Hybrid 9+9 6mm2 G657A2 20M 2/HRPM254111/20M	Black	69.9	20
Hybrid 9+9 6mm2 G657A2 30M 2/HRPM254111/30M	Black	87.6	30
Hybrid 9+9 6mm2 G657A2 40M 2/HRPM254111/40M	Black	105.3	40
Hybrid 9+9 6mm2 G657A2 50M 2/HRPM254111/50M	Black	123	50
Hybrid 9+9 6mm2 G657A2 60M 2/HRPM254111/60M	Black	140.7	60
Hybrid 9+9 6mm2 G657A2 70M 2/HRPM254111/70M	Black	158.4	70
Hybrid 9+9 6mm2 G657A2 80M 2/HRPM254111/80M	Black	176.1	80
Hybrid 9+9 6mm2 G657A2 90M 2/HRPM254111/90M	Black	193.8	90
Hybrid 9+9 6mm2 G657A2 100M 2/HRPM254111/100	Black	211.5	100
Hybrid 9+18 6mm2 G657A2 20M 2/HRPM254113/20M	Black	69.9	20
Hybrid 9+18 6mm2 G657A2 30M 2/HRPM254113/30M	Black	87.6	30
Hybrid 9+18 6mm2 G657A2 40M 2/HRPM254113/40M	Black	105.3	40
Hybrid 9+18 6mm2 G657A2 50M 2/HRPM254113/50M	Black	123	50
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