



# Hybrid Cable Assembly for RRU

Hybrid fiber optic and power cable assembly for FTTA interconnect applications

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## 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 mm<sup>2</sup> 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

<b>Tuotteen väri</b>	Black
<b>Lämpötila, käyttö [°C]</b>	-40 to +80
<b>Palo-ominaisuudet</b>	EN 50575: B2ca-s1, d0
<b>Kuidun tyyppi</b>	G657A2
<b>Vaimennus @Aallonpituudella [nm]</b>	1310/1550

<b>Max. vaimennus [dB/km]</b>	0.4/0.25
<b>Liitosvaimennus, max [dB]</b>	0.3
<b>Jänniteluokka [V]</b>	100
<b>Tilastiedot</b>	<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****Hybrid 6+6 6mm2 G657A2 20M**  
2/HRPM254110/20M**Hybrid 6+6 6mm2 G657A2 30M**  
2/HRPM254110/30M**Hybrid 6+6 6mm2 G657A2 40M**  
2/HRPM254110/40M**Hybrid 6+6 6mm2 G657A2 50M**  
2/HRPM254110/50M**Hybrid 6+6 6mm2 G657A2 60m**  
2/HRPM254110/60M**Hybrid 6+6 6mm2 G657A2 70M**  
2/HRPM254110/70M**Hybrid 6+6 6mm2 G657A2 80m**  
2/HRPM254110/80M**Hybrid 6+6 6mm2 G657A2 90m**  
2/HRPM254110/90M**Hybrid 6+6 6mm2 G657A2 100M**  
2/HRPM254110/100**Hybrid 9+9 6mm2 G657A2 20M**  
2/HRPM254111/20M**Hybrid 9+9 6mm2 G657A2 30M**  
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2/HRPM254113/90M

**Article name**

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**Hybrid 9+18 6mm2 G657A2 100M**  
2/HRPM254113/100