

## Hybrid Cable for RRU – HRP M 254 100+



### Features

- Robust and compact hybrid cable assembly designed for pole and tower mounting
- Breakout unit with black anodized aluminum with unique low profile cable glands, enables a narrow canister design with a very small wind load and visual impact.
- Pre terminated with outdoor water protected RDC connectors at breakout to be extended by fiber jumper cables to desired length.
- Indoor LC connectors at BBU side
- Ripcord below jacket and screen enables an easy length-adjustment at indoor site
- The optical fibers are well protected with a flame retardant jacket for easy handling and preferably stored in an over-length box
- 10 m screened power cables at RRU breakout to be cut back to desired length
- Pulling grip premounted below breakout canister enables a smooth and secure handling during fastening of canister and cable clamps.
- Optical fiber MM OM4 bend insensitive
- Hybrid cable with jacket of weather proof and fire retardant material ensures exceptional protection in severe environmental for outdoor and indoor applications.
- Flexible outer common screen of aluminum tape and drain wire to ensure easy grounding.
- Cable sizes 6 system with 4, 6 and 10 mm<sup>2</sup>
- Delivered on a double flanged drum enables a convenient installation process
- Number marked optical and power units

### Application

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



## Hybrid Cable for RRU – H RPM 254 100+

### Design

#### Fibre optic

Breakout RRU ..... Fan out with RDC connectors for each fiber pair

Breakout Indoor .... LC connectors

Cable ..... Tight buffered multimod OM4 fiber

#### Power

Breakout RRU ..... 10 m screened power jumper with 4mm<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 6mm<sup>2</sup> class 5

- Screen..... Aluminum tape and drain wire

- Jacket..... Halogen free flame retardant

### Ordering Information

PRODUCT NUMBER	NO OF FIBER AND POWER PAIR	POWER CORDS AREA MM <sup>2</sup>	CABLE DIAM MM	
1/HRPM 254 100/xxx	6	4	23.7	On request
2/HRPM 254 100/xxx	6	6	26.0	Stock item
3/HRPM 254 100/xxx	6	10	31.5	On request

### Accessories

PRODUCT NO	DESCRIPTION	
HRPM 254 102/L	Optical jumper cables	
HSXA136104/11	Clamps kit for 6xRDC connectors	
HSXA136100/11	Canister clamp kit	

### Specifications

Operating voltage .. 100 V

Operating temp ..... -40 to +80°C

Flame resistance ... IEC 60332-1

UV resistant ..... UL1581

Water proof ..... IP 67

Color..... Black

### Optical data

Attenuation@ 850 nm .. 3.0 dB/km (max)

Attenuation@ 1300 nm 1.0 dB/km (max)

Insertion loss 0.3 dB

### Electrical data

Resistance 4 mm<sup>2</sup> ..... 5.1 ohm/km (max)

Resistance 6 mm<sup>2</sup> ..... 3.4 ohm/km (max)

Resistance 10 mm<sup>2</sup> ..... 2.0 ohm/km (max)

### Power cords, color code

RRU BREAKOUT CABLE MARKED WITH LABEL NUMBER	POWER CORDS IN RRU CABLES COLOR CODED		POWER CORDS HYBRID CABLE, COLOR CODED AND NUMBER MARKED	
	A	B	A	B
1	Blue	Black	Blue - 1	Black - 1
2	Blue	Black	Blue - 2	Black - 2
3	Blue	Black	Blue - 3	Black - 3
4	Blue	Black	Blue - 4	Black - 4
5	Blue	Black	Blue - 5	Black - 5
6	Blue	Black	Blue - 6	Black - 6



### Packing info

- The cable assembly is delivered on a double flanged drum, with cable ends well protected for fast end safe installation in radio site applications.
- Pre-mounted hoisting grip enables a fast and secure installation

