

## CONEXIO *lite* PO-6 RRH



030.8483

### SCOPE OF SUPPLY

Power to the antenna (PTTA) divider solution for 6 Remote Radio Heads (RRH) with feeder cable and break outs. The feeder cable has a blunt cut for the base band unit (BBU) station.

### GENERAL DESCRIPTION

The CONEXIO *lite* PO-6RRH is a divider solution for the power supply for up to 6 RRH and is equipped with female power connectors. The BBU side comes with a blunt cut. Optionally a cable gland can be added to seal the entry point to the base station.

### FEATURES

- Up to 6 RRH
- Compact design
- Weight optimized
- IP 68
- Plug & Play
- Easy handling and installation
- Adapter plate for break out routing

| PRODUCT-NO | PRODUCT DESCRIPTION            | Features  |
|------------|--------------------------------|---|
| 851658     | CONEXIO lite PO-6RRH 0.5/10 m  | Feeder cable length L1 = 10 m, break out length L2 = 0.5 m  |
| 851659     | CONEXIO lite PO-6RRH 0.5/50 m  | Feeder cable length L1 = 50 m, break out length L2 = 0.5 m  |
| 851666     | CONEXIO lite PO-6RRH 0.5/100 m | Feeder cable length L1 = 100 m, break out length L2 = 0.5 m |

Please contact us for different configurations like other lengths, different BBU side, other cross section etc.

### TECHNICAL DATA

| DESCRIPTION   | VALUE / VALUE RANGE   |
|---|---|
| Number of RRH                                       | 6   |
| Power   | 6x power connectors female  |
| Maximum current rating per RRH                      | Up to 44 A per power connector (depending on conductor cross section) |
| Product height                                      | 154 mm  |
| Diameter of divider body                            | 86 mm   |
| BBU connectivity PO                                 | Blunt cut   |
| Cable gland size BBU (optional)                     | M40   |
| Cable type  | Multi-wire power supply cable   |
| Cable diameter                                      | 22.4 ± 1.5 mm   |
| Jacket material                                     | LSFH™, black  |
| Number of conductors                                | 12  |
| Conductor cross section                             | 6 mm <sup>2</sup>   |
| Conductor type IEC 60228                            | Class 5   |
| Conductor resistance                                | 3.3 Ω/km  |
| Rated voltage                                       | AC: 0.6/1 kV (1.2 kV)<br>DC: 0.9/1.5 kV                               |
| Maximum current rating at 60° C ambient temperature | 25 A  |

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|   |                                      |
|---|--------------------------------------|
| Max conductor temperature                   | +90 °C                               |
| Insulation material                         | Crosslinked Polyethylene (XLPE)      |
| Insulation color IEC 60445                  | Black                                |
| Metallic shield                             | Al/PET laminate foil shield, 50/23µm |
| Drain wire type IEC 60228                   | Class 5                              |
| Drain wire cross section                    | 6 mm <sup>2</sup>                    |
| Cable weight                                | 905 kg/km                            |
| Minimum bending radius                      | during installation 9x OD            |
|   | In service 6x OD                     |
| CPR classification                          | D <sub>ca</sub>                      |
| Break out length(s)                         | 0.5 m                                |
| Break out cables PO                         | 6x                                   |
| Cable type                                  | 2-core power supply cable            |
| Cable diameter                              | 12.5 ± 1 mm                          |
| Jacket material                             | Halogen Free Thermoplastic, black    |
| Conductor cross section                     | 6 mm <sup>2</sup>                    |
| Minimum bending radius during installation  | 9x OD                                |
|   | In service 6x OD                     |
| Tensile load on individual break-out cables | 600 N                                |
| Connector type PO                           | Power connector female               |
| Mating cycles PO                            | > 250                                |

### MECHANICAL DATA

| DESCRIPTION         | VALUE / VALUE RANGE         | STANDARD                        |
|---------------------|-----------------------------|---------------------------------|
| Protection class IP | IP 68                       | IEC 60529                       |
| Impact resistance   | IK 10                       | EN 62262                        |
| Material            | UV stabilized polycarbonate |                                 |
| Color               | Black                       |                                 |
| Salt-mist           | > 500 hours                 | IEC 61300-2-26                  |
| UV resistance       | 1'000 hours                 | ISO 4892-3 (method A / cycle 1) |

### CLIMATICAL DATA

| DESCRIPTION       | VALUE / VALUE RANGE           |
|-------------------|-------------------------------|
| Temperature range | Operation -40 °C to +85 °C    |
|                   | Installation -10 °C to +50 °C |

### FIRE PROPERTIES

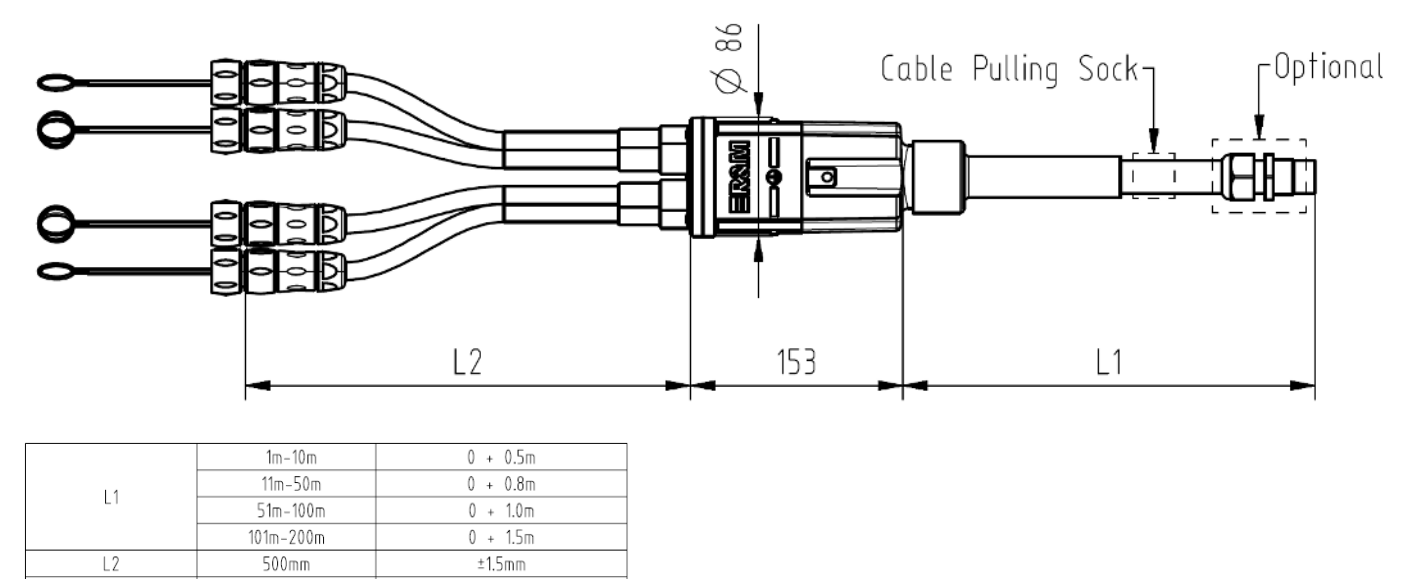
| DESCRIPTION         | VALUE / VALUE RANGE | STANDARD                      |
|---------------------|---------------------|-------------------------------|
| Flammability rating | Pass                | UL 94-V0                      |
| Fire propagation    | Pass                | IEC 60332-1-2, IEC 60332-3-25 |

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ENVIRONMENT

| DESCRIPTION | VALUE / VALUE RANGE |
|-------------|---------------------|
| RoHS        | Compliant           |
| REACH       | Compliant           |

TECHNICAL DRAWING



## CONEXIO *lite* PO-6 RRH

### ACCESSORIES

|   |   |   |
|---|---|---|
|  <p>030.8443</p> |  <p>030.8475</p> |  <p>030.8386</p> |
| Mounting kit for 6RRH   | Adapter plate for break out   | Hose clamp for pole diameters 40 – 60 mm  |
| R900186   | R900192   | R900198   |

|   |   |   |
|---|---|---|
|  <p>030.8386</p> |  <p>030.8485</p> |  <p>030.8414</p> |
| Hose clamp for pole diameters 60 – 135 mm   | Grounding kit for poles, green-yellow, 16mm², 0.5 m   | Grounding cable, green-yellow, 16 mm², 0.5 m  |
| R900200   | R898575   | R900183   |

|   |
|---|
|  <p>030.8419</p> |
| Jumper power connector female – blunt cut   |
| 2 m: R900268  |
| 5 m: R900269  |