

CONEXIO *flexx* PO-6 RRH



030.8425

SCOPE OF SUPPLY

Power to the antenna (PTTA) box for 6 remote radio heads (RRH). Feeder cable with a blunt cut on the base band unit (BBU) station side.

GENERAL DESCRIPTION

The CONEXIO *flexx* PO-6RRH is the top power box for up to 6 RRH and is equipped with screw terminals and can be upgraded with circuit breakers and surge protection for the maximum of flexibility and safety.

The feeder cable is prepared to assemble in the box and 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
- Robust design
- Equipped with screw terminals
- Flexible and upgradeable
- Optimized handling
- Reduced installation time
- High accessibility – service friendly
- Optional circuit breakers and surge protectors

PRODUCT-NO	PRODUCT DESCRIPTION	Features
851004	CONEXIO <i>flexx</i> PO-6RRH B	Box only
851028	CONEXIO <i>flexx</i> PO-6RRH 10 m	Feeder cable length 10 m
851142	CONEXIO <i>flexx</i> PO-6RRH 50 m	Feeder cable length 50 m
851255	CONEXIO <i>flexx</i> PO-6RRH 100 m	Feeder cable length 100 m

Please contact us for different configurations like other lengths, optional equipment, different BBU side, other cross sections etc.

TECHNICAL DATA

DESCRIPTION BOX	VALUE / VALUE RANGE
Number of RRH	6
Cable entry	Cable gland M40 for cable Ø 18 -32 mm
Cable exit	Up to 6 jumpers with cable glands M20 for cable Ø 7 - 14 mm
Terminals	Screw terminals up to 16 mm ²
Rated voltage	48 VDC
Maximum current rating per RRH	35 A
Product dimension (WxHxL)	300 x 300 x 132 mm
Circuit breaker (optional)	Miniature circuit breaker
Surge protection device (optional)	Type 1 surge protection device
Protective ventilation	Typical airflow >400 ml/min

DESCRIPTION FEEDER	VALUE / VALUE RANGE
BBU connectivity PO	Blunt cut
Cable gland size BBU (optional)	M40

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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 ²
Conductor type IEC 60228	Class 5
Conductor resistance	3.3 Ω/km
Rated voltage	AC: 0.6/1 kV (1.2 kV) DC: 0.9/1.5 kV
Maximum current rating at 60° C ambient temperature	25 A
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 ²
Cable weight	905 kg/km
Minimum bending radius	during installation 9x OD In service 6x OD
CPR classification	D _{ca}

MECHANICAL DATA

DESCRIPTION	VALUE / VALUE RANGE	STANDARD
Protection class IP	IP 68	IEC 60529
Impact resistance	IK09	EN 62262
Material	Fiberglass reinforced polycarbonate	
Color	RAL 7035 – grey	
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 box	Pass	UL 746C
Fire propagation	Pass	IEC 60332-1-2, IEC 60332-3-24, IEC 60332-3-25

DESCRIPTION	VALUE / VALUE RANGE
RoHS	Compliant
REACH	Compliant

Box PO-6RRH

Technical drawings of the PO-6RRH box showing dimensions and labels:

- Front View:** Dimensions include 213, 99.5, 45, 26, 50, 50, 72, 68, 11, 81, 300, and 300. Labels include "Position for LOGO".
- Side View:** Dimensions include 67, 16, 335, and 300.
- Top View:** Dimensions include 618, 280, and 300. Labels include "Position for Product Label" and "Wiring Diagram Position".

Feeder cable PO-6RRH

Technical drawing of the PO-6RRH feeder cable showing dimensions and labels:

- Dimensions:** L1, L2, L3.
- Labels:** Cable Pulling Sock, Optional.

	Length	Tolerance
L1	1m - 10m	0 + 0.5m
	11m - 50m	0 + 0.8m
	51m - 100m	0 + 1.0m
	101m - 200m	0 + 1.5m
L2	210 mm	±2 mm
L3	140 mm	±2 mm

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ACCESSORIES

 <p>030.8389</p>	 <p>030.8441</p>	 <p>030.8412</p>
Mounting kit 300 x 300	Wall mounting kit	Grounding kit for poles, green-yellow, 16mm², 0.5 m
R900188	R900181	R900180

 <p>030.8415</p>	 <p>030.8386</p>	 <p>030.8386</p>
Grounding cable, green-yellow, 16 mm², 0.5 m	Hose clamp for pole diameters 40 – 60 mm	Hose clamp for pole diameters 60 – 135 mm
R900182	R900198	R900200

 <p>030.8420</p>
Jumper power stripped – blunt cut
2 m: R900317
5 m: R900318