

CONEXIO *flexx* FO-6 RRH / FO-12 RRH



030.8391

SCOPE OF SUPPLY

Fiber to the antenna (FTTA) box for 6 and 12 remote radio heads (RRH). Feeder cable with a divider and a fan out for the base band unit (BBU) station.

GENERAL DESCRIPTION

The CONEXIO *flexx* FO-6RRH and FO-12RRH is the top optical box for up to 12 remote radio heads (RRH) and is equipped with LC duplex adapters and the cable management for the fibers.

The feeder cable is prepared to be assembled in the box and the BBU side comes with a divider and prepared fan out to be patched in the CONEXIO *patch* panel. Optionally a cable gland can be added to seal the entry point to the base station.

FEATURES

- Up to 12 RRH
- Robust design
- High accessibility – service & maintenance friendly
- Cover with hinges
- Optimized handling
- Reduced installation time
- IP68
- Mounting of feeder without special equipment

PRODUCT-NO	PRODUCT DESCRIPTION	Features
836546	CONEXIO <i>flexx</i> FO-6RRH 12 LCd PC B	Box only
836547	CONEXIO <i>flexx</i> FO-6RRH LCd PC 10 m	Feeder cable length 10 m, plug & play
836548	CONEXIO <i>flexx</i> FO-6RRH LCd PC 50 m	Feeder cable length 50 m, plug & play
836549	CONEXIO <i>flexx</i> FO-6RRH LCd PC 100 m	Feeder cable length 100 m, plug & play
836550	CONEXIO <i>flexx</i> FO-12RRH 24 LCd PC B	Box only
851001	CONEXIO <i>flexx</i> FO-12RRH LCd PC 10 m	Feeder cable length 10 m, plug & play
851002	CONEXIO <i>flexx</i> FO-12RRH LCd PC 50 m	Feeder cable length 50 m, plug & play
851003	CONEXIO <i>flexx</i> FO-12RRH LCd PC 100 m	Feeder cable length 100 m, plug & play

Please contact us for different configurations like other lengths, different BBU side, other fiber type etc.

TECHNICAL DATA

DESCRIPTION BOX	6 RRH	12 RRH
Number of RRH	6	12
Fiber optic	6 LC duplex PC adapters	12 LC duplex PC adapters
Cable entry	Thread M25 – covered with a blind cap. Cable gland M25 for cable Ø 7 – 16 mm is pre-mounted on feeder cable	
Cable exit	Up to 6 jumpers, cable gland M32 with split seal 6x 5.5 mm	Up to 12 jumpers, two cable glands M32 with split seal
Product dimension (WxHxL)	200 x 300 x 132 mm	300 x 300 x 132 mm

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DESCRIPTION FEEDER		6 RRH	12 RRH
BBU connectivity FO		Divider with fan out and LC duplex PC connectors	
Outer diameter divider BBU side		22.4 mm	
Protection tube BBU side outer diameter		34.5 mm	
Cable gland size BBU (optional)		M25	
Cable type		Central loose tube feeder cable	
Number of fibers		12	24
Fiber class		G657.A1 (SM)	
Cable diameter		7.0 mm	
Jacket material		LSFH™, black	
Cable weight		55 kg/km	
Minimum bending radius	during installation	110 mm	
	In service	70 mm	
Cable tensile strength	during installation	2000 N	
	In service	1200 N	
Cable crush resistance	during installation	5000 N/dm	
	In service	2000 N/dm	
CPR classification		D _{ca} s1a, d0, a1	

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

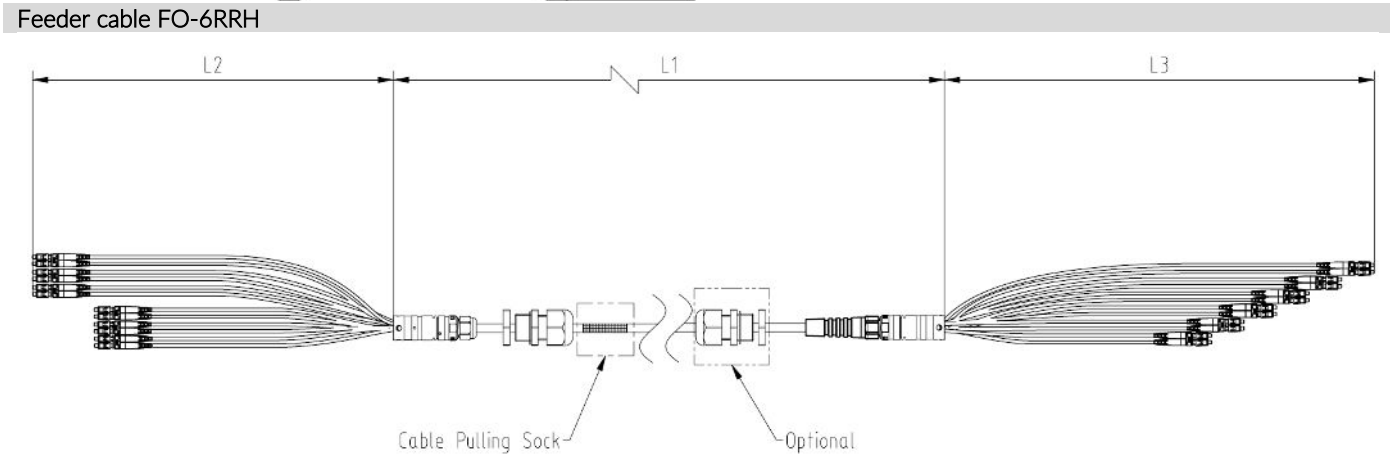
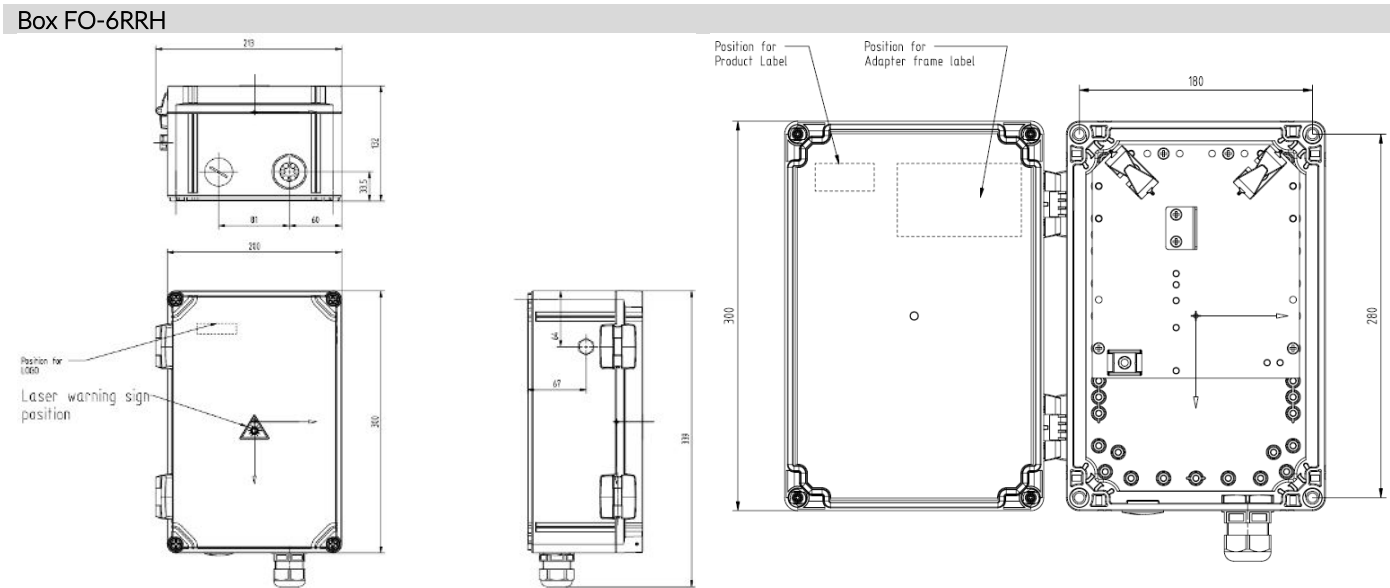
DESCRIPTION	VALUE / VALUE RANGE	STANDARD
Flammability rating box	Pass	UL 746C
Fire propagation	Pass	IEC 60332-1-2, IEC 60332-3-25

ENVIRONMENT

DESCRIPTION	VALUE / VALUE RANGE
RoHS	Compliant
REACH	Compliant

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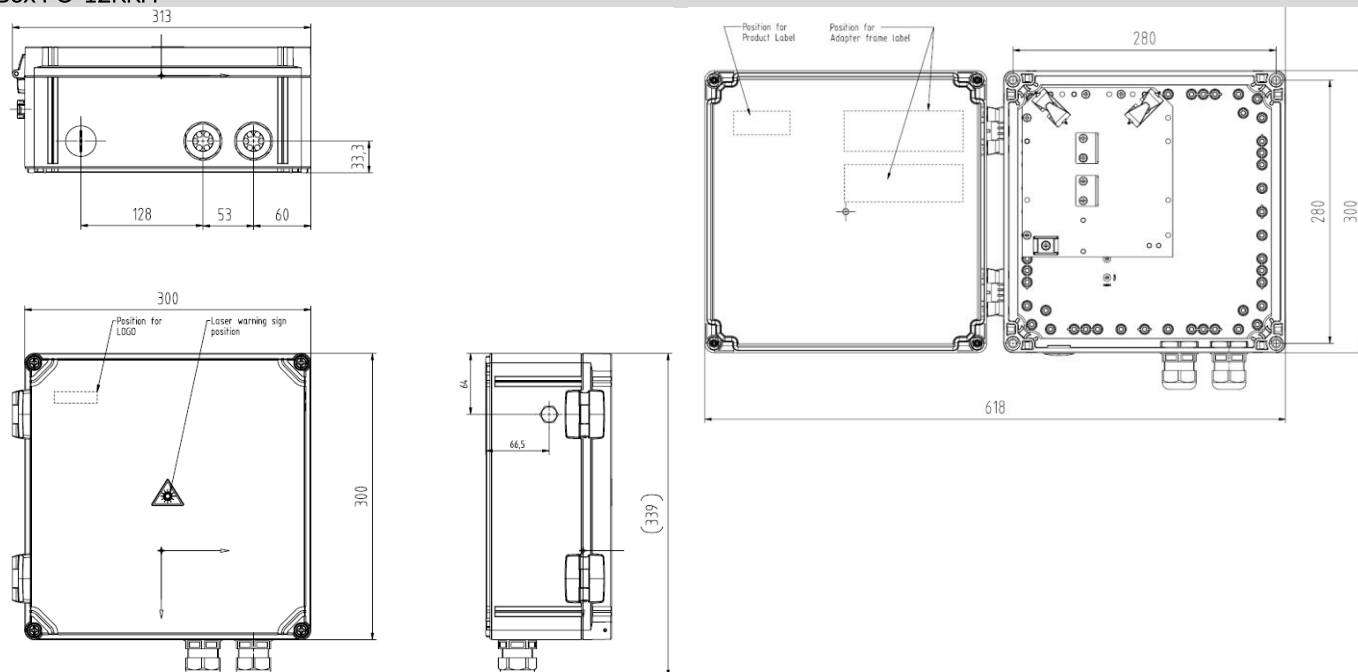
TECHNICAL DRAWING



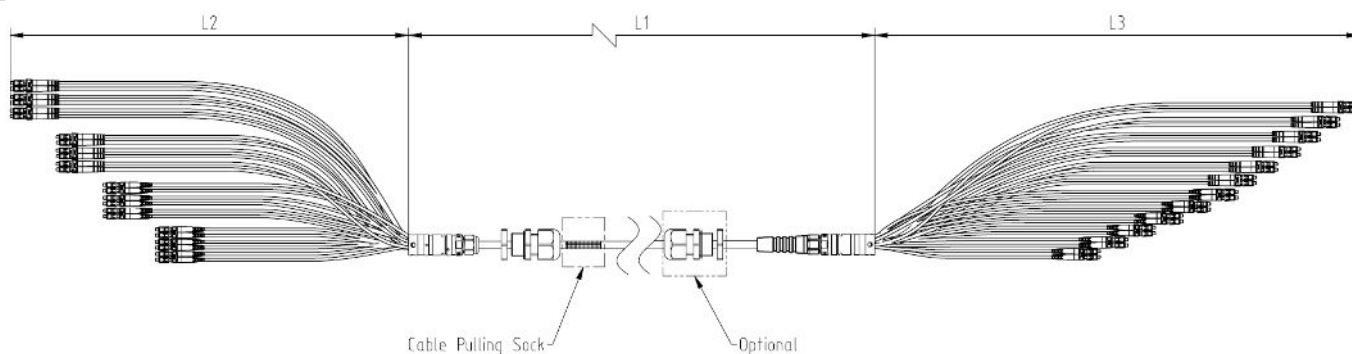
	Length	Tolerance
L1	1m - 10m	0 + 0.5m
	11m - 50m	0 + 0.8m
	51m - 100m	0 + 1.0m
	101m - 200m	0 + 1.5m
L2	720mm-780mm	±60mm
L3	980mm-1130mm	±20mm

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Box FO-12RRH



Feeder cable FO-12RRH



	Length	Tolerance
L1	1m - 10m	0 + 0.5m
	11m - 50m	0 + 0.8m
	51m - 100m	0 + 1.0m
	101m - 200m	0 + 1.5m
L2	600mm-780mm	±60mm
L3	800mm-1130mm	±20mm

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ACCESSORIES

 <p>030.8389</p>	 <p>030.8389</p>	 <p>030.8441</p>
Mounting kit 300 x 200	Mounting kit 300 x 300	Wall mounting kit
R900187	R900188	R900181
 <p>030.8386</p>	 <p>030.8386</p>	 <p>Similar product 030.8467</p>
Hose clamp for pole diameters 40 – 60 mm	Hose clamp for pole diameters 60 – 135 mm	Jumper LCd PC – LCd PC
R900198	R900200	2 m: R900266 5 m: R900267
 <p>030.8418</p>		 <p>Similar product 030.8469</p>
Jumper LCd PC – LCd PC with NSN boot	Jumper LCd PC – FullAXS LCd PC	Jumper LCd PC – PDLc PC
2 m: R900321 5 m: R900325	2 m: R900328 5 m: R900329	2 m: R900332 5 m: R900365