Datasheet

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

030.8434

SCOPE OF SUPPLY

Fiber to the antenna (FTTA) cable head terminal solution for 6 and 12 remote radio heads (RRH) with feeder cable, terminated with a divider and fan out for the base band unit (BBU) station.

GENERAL DESCRIPTION

The CONEXIO *easy* FO-6RRH and FO-12RRH is a cable head terminal solution for up to 12 RRH and is equipped with R&M HEC-BR IP68 outdoor in-line adapters.
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
- Easy installation
- IP68

- Outdoor connectivity with HEC-BR in-line adapters
- Fast jumper mating and replacement
- Plug & Play

PRODUCT-NO	PRODUCT DESCRIPTION	Features
851670	CONEXIO easy FO-6RRH HEC-BR LCd PC 10m	Feeder cable length L1 = 10 m
851671	CONEXIO easy FO-6RRH HEC-BR LCd PC 50m	Feeder cable length L1 = 50 m
851701	CONEXIO easy FO-6RRH HEC-BR LCd PC 100m	Feeder cable length L1 = 100 m
851706	CONEXIO easy FO-12RRH HEC-BR LCd PC 10m	Feeder cable length L1 = 10 m
851707	CONEXIO easy FO-12RRH HEC-BR LCd PC 50m	Feeder cable length L1 = 50 m
851729	CONEXIO easy FO-12RRH HEC-BR LCd PC 100m	Feeder cable length L1 = 100 m

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

TECHNICAL DATA

DESCRIPTION	6 RRH	12 RRH
Number of RRH	6	12
Fiber optic	6x HEC-BR LC duplex PC in-line adapters	12x HEC-BR LC duplex PC in-line adapters
Product dimension (WxHxL)	109 x 104 x 296 mm	109 x 104 x 494 mm
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 lose tube feeder cable	
Number of fibers	12	24
Fiber class	G657.A1 (SM)	
Cable diameter	7.0 mm	
Jacket material	LSFH^{TM}, 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
Connector type FO		HEC-BR LCd PC in-line adapter
Mating cycles FO		> 500

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 / cylce 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

ENVIRONMENT

DESCRIPTION	VALUE / VALUE RANGE
RoHS	Compliant
REACH	Compliant

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TECHNICAL DRAWING

FO-6RRH

L1	1m–10m	0 + 0.5m
	11m–50m	0 + 0.8m
	51m–100m	0 + 1.0m
	101m–200m	0 + 1.5m
L2	296mm	±1.5mm
L3	980–1130mm	±20mm

FO-12RRH

L1	1m–10m	0 + 0.5m
	11m–50m	0 + 0.8m
	51m–100m	0 + 1.0m
	101m–200m	0 + 1.5m
L2	494mm	±1.5mm
L3	800–1130mm	±20mm
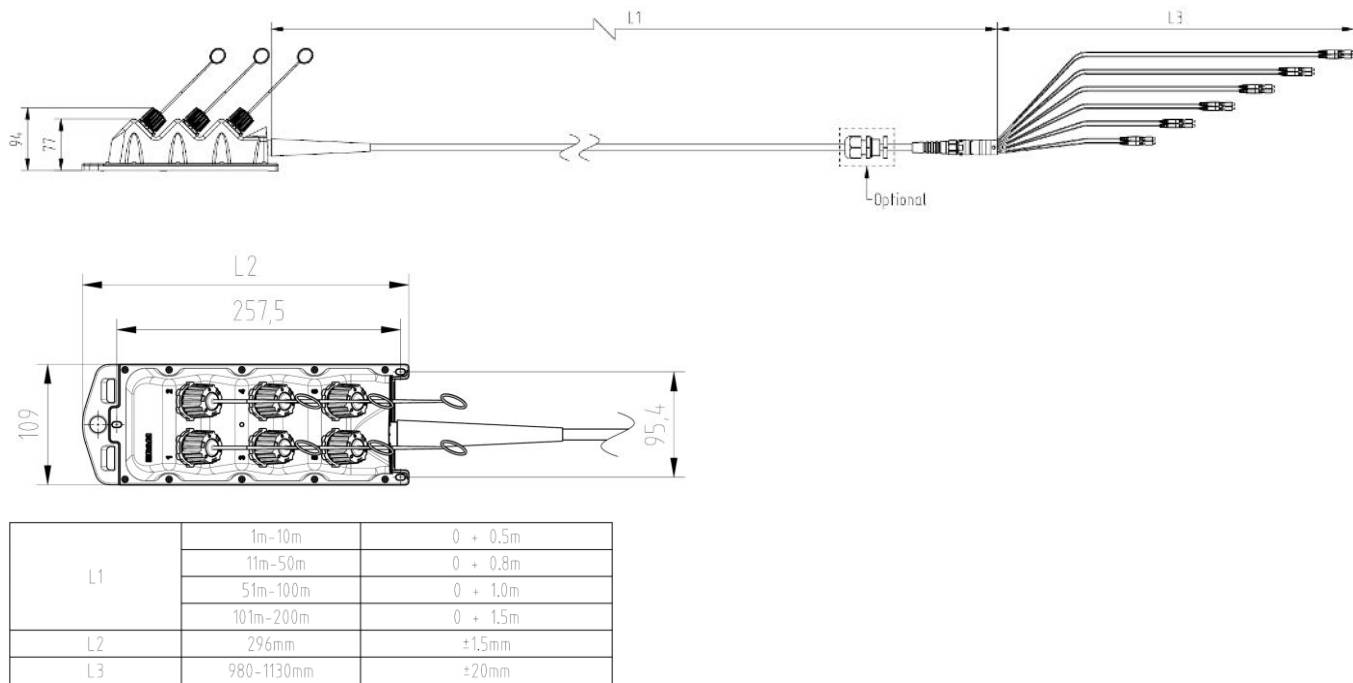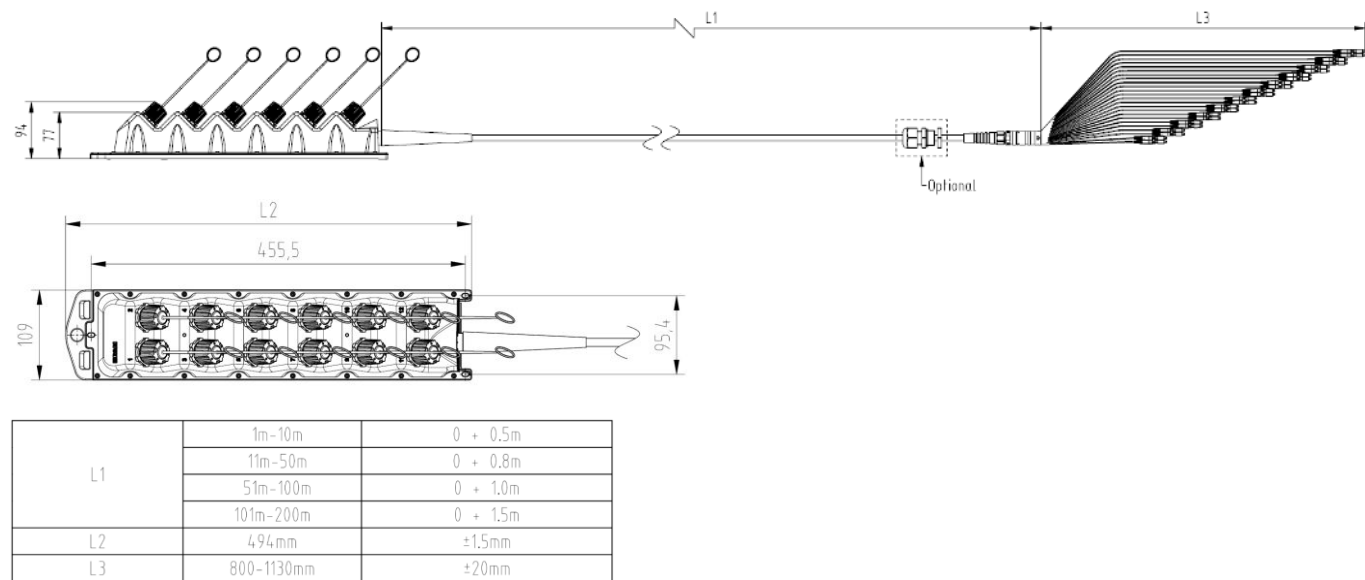
ACCESSORIES

030.8388	030.8387	Similar product 030.8481
Base plate for 6RRH	Base plate for 12RRH	Base plate with protection cover for 6RRH
R900368	R900453	R900249

030.8481	030.8386	030.8386
Base plate with protection cover for 12RRH	Hose clamp for pole diameters 40 – 60 mm	Hose clamp for pole diameters 60 – 135 mm
R900367	R900198	R900200

030.8467	030.8417	030.8416
Jumper HEC-BR LCd PC – LCd PC	Jumper HEC-BR LCd PC – LCd PC with NSN boot	Jumper HEC-BR LCd PC – FullAXS LCd PC
2 m: R900264 5 m: R900265	2 m: R900319 5 m: R900320	2 m: R900326 5 m: R900327

030.8469
Jumper HEC-BR LCd PC – PDLC PC
2 m: R900330 5 m: R900331