Datasheet

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

030.8449

SCOPE OF SUPPLY

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

GENERAL DESCRIPTION

The CONEXIO *lite* FO-6RRH and FO-12RRH is a divider solution for up to 12 RRH and is equipped with R&M HEC-BR IP68 outdoor connectors and 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
- Compact design
- Weight optimized
- IP 68

- Plug & Play
- Easy handling and installation
- Adapter plate for break out routing

PRODUCT-NO	PRODUCT DESCRIPTION	Features
851390	CONEXIO lite FO-6RRH HEC-BR LCd PC 0.5/10 m	Feeder cable length L1 = 10 m, break out length L2 = 0.5 m
851604	CONEXIO lite FO-6RRH HEC-BR LCd PC 0.5/50 m	Feeder cable length L1 = 50 m, break out length L2 = 0.5 m
851615	CONEXIO lite FO-6RRH HEC-BR LCd PC 0.5/100 m	Feeder cable length L1 = 100 m, break out length L2 = 0.5 m
851616	CONEXIO lite FO-12RRH HEC-BR LCd PC 0.5/10 m	Feeder cable length L1 = 10 m, break out length L2 = 0.5 m
851617	CONEXIO lite FO-12RRH HEC-BR LCd PC 0.5/50 m	Feeder cable length L1 = 50 m, break out length L2 = 0.5 m
851618	CONEXIO lite FO-12RRH HEC-BR LCd PC 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 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
Diameter of divider body	43 mm	52 mm
BBU connectivity FO	Divider with fan out and LC duplex 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	

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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}	
Break out cables FO		6x	12x
Cable type break outs		Lose tube	
Cable diameter break outs		5.4 ± 0.2 mm	
Break out length(s)		0.5 m	
Jacket material break out cables		UV stable FRLSZH, black	
Minimum bending radius	during installation	50 mm	
	In service	30 mm	
Tensile load on individual break-out cables		1000 N	
Connector type FO		HEC-BR LC duplex PC in-line adapters	
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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Page 2/4 –05.07.2023

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TECHNICAL DRAWING

FO-6RRH

	1m–10m	0 + 0.5m
L1	11m–50m	0 + 0.8m
	51m–100m	0 + 1.0m
	101m–200m	0 + 1.5m
L2	500mm	0 +50mm
L3	980–1130mm	±20mm

FO-12RRH

	1m–10m	0 + 0.5m
L1	11m–50m	0 + 0.8m
	51m–100m	0 + 1.0m
	101m–200m	0 + 1.5m
L2	494mm	±1.5mm
L3	980–1130mm	±20mm
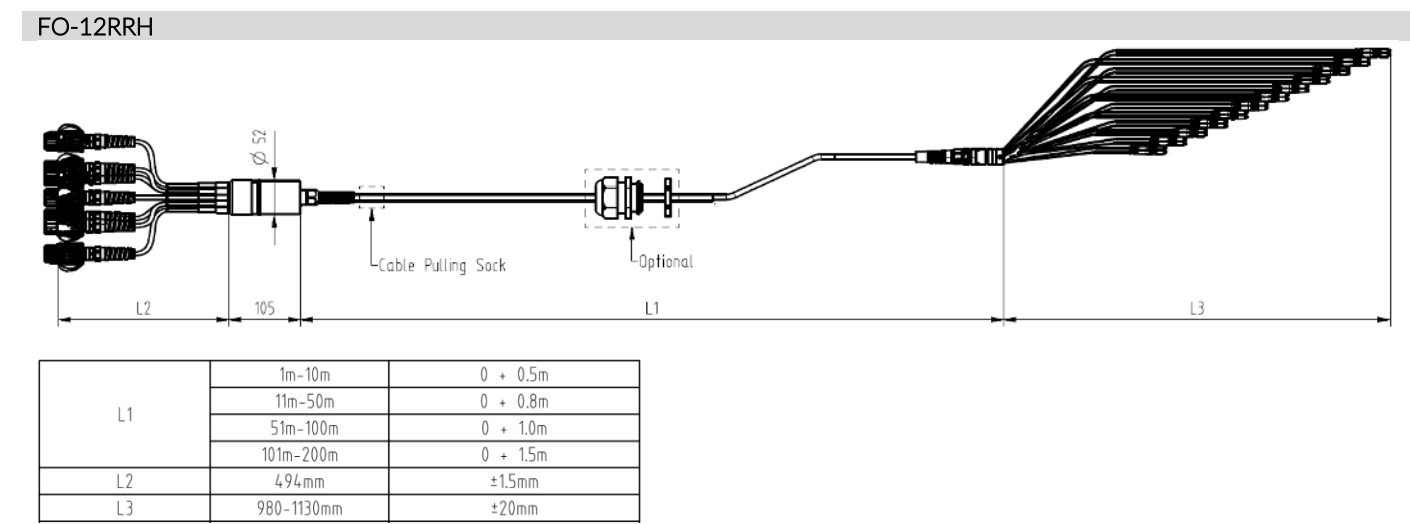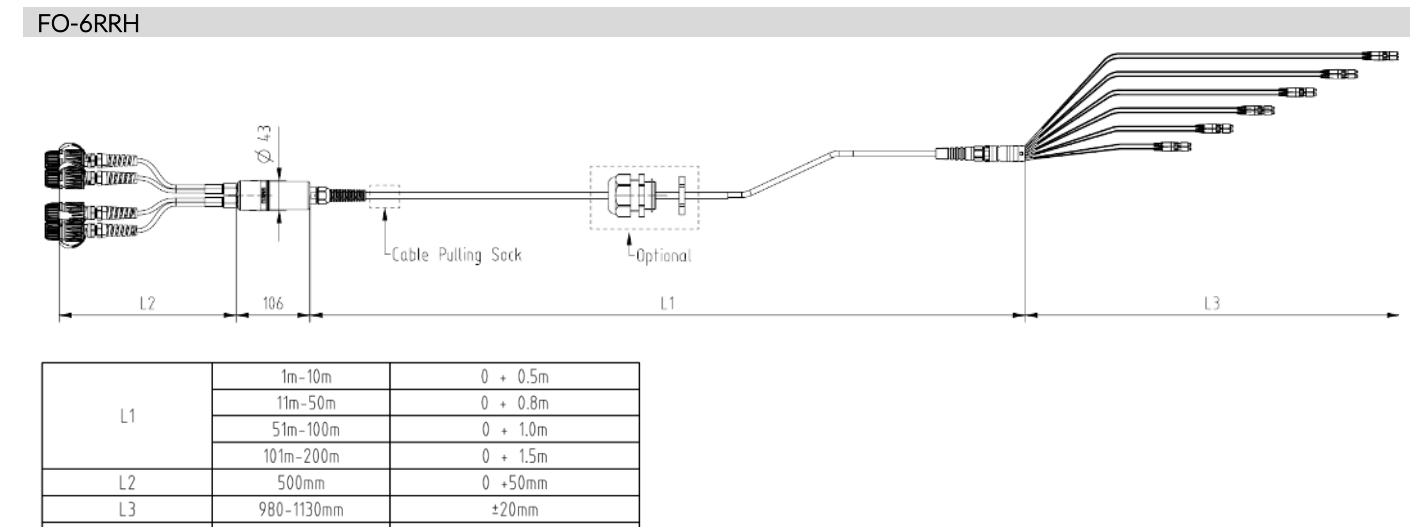
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ACCESSORIES

030.8442	030.8474	Similar product 030.8442
Mounting kit for FO-6RRH	Adapter plate for FO-6RRH	Mounting kit for FO-12RRH
R900184	R898158	R900185

030.8476	030.8386	030.8386
Adapter plate for FO-12RRH	Hose clamp for pole diameters 40 – 60 mm	Hose clamp for pole diameters 60 – 135 mm
R898159	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