

CONEXIO *lite* HY-6 RRH



030.8482

SCOPE OF SUPPLY

Hybrid to the antenna (HTTA) divider solution for 6 Remote Radio Heads (RRH) with feeder cable and break outs. The feeder cable comes with an FO divider and fan out and a PO blunt cut on the base band unit (BBU) station side.

GENERAL DESCRIPTION

The CONEXIO *lite* HY-6RRH is a divider solution for FO connectivity and power supply for up to 6 RRH and is equipped with the R&M HEC-BR IP68 outdoor connectors and in-line adapters as well as the female power connectors.

The BBU side comes with a blunt cut for power and a divider with a fan out for fiber. Optionally a cable gland can be added to seal the entry point to the base station.

FEATURES

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

PRODUCT-NO	PRODUCT DESCRIPTION	Features
851667	CONEXIO lite HY-6RRH HEC-BR LCd PC 0.5/10m	Feeder cable length L1 = 10 m, break out length L2 = 0.5 m
851668	CONEXIO lite HY-6RRH HEC-BR LCd PC 0.5/50m	Feeder cable length L1 = 50 m, break out length L2 = 0.5 m
851669	CONEXIO lite HY-6RRH HEC-BR LCd PC 0.5/100m	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
Fiber optic	6x HEC-BR LC duplex PC in-line adapters
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 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
BBU connectivity PO	Blunt cut
Cable gland size BBU (optional)	M40
Cable type	Hybrid multi core power supply cable
Cable diameter	27.8 ± 1.5 mm
Jacket material	LSFH™, black
Number of fibers	12
Fiber class	G657.A1 (SM)

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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	21 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	1455 kg/km
Minimum bending radius	during installation 10x OD
	In service 8x OD
Break out length(s)	0.5 m
Break out cables FO	6x
Cable type break outs	Lose tube
Cable diameter break outs	5.4 ± 0.2 mm
Jacket material break out cables	UV stable FRLSZH, black
Minimum bending radius during installation	15x OD
	In service 15 x OD
Tensile load on individual break-out cables	600 N
Break out cables PO	6x
Cable type break outs	2-core power supply cable
Cable diameter break outs	12.5 ± 1 mm
Jacket material break out cables	Halogen Free Thermoplastic, black
Conductor cross section	6 mm ²
Minimum bending radius during installation	9x OD
	In service 6x OD
Tensile load on individual break-out cables	600 N
Connector type FO	HEC-BR LCd PC in-line adapters
Mating cycles FO	> 500
Connector type PO	Power connectors female
Mating cycles PO	> 250

MECHANICAL DATA

DESCRIPTION	VALUE / VALUE RANGE	STANDARD
Protection class mated	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)

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CLIMATICAL DATA

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

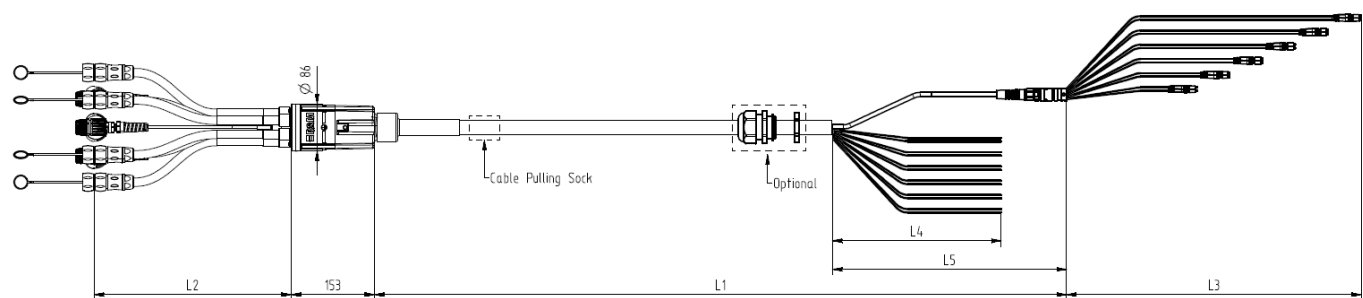
FIRE PROPERTIES

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

TECHNICAL DRAWING



L1	1m-10m	0 + 0.5m
	11m-50m	0 + 0.8m
	51m-100m	0 + 1.0m
	101m-200m	0 + 1.5m
L2	500mm	0 +50mm
L3	980-1130mm	±20mm
L4	200mm	±10mm
L5	328mm	±1.5mm

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ACCESSORIES

 <p>030.8443</p>	 <p>030.8475</p>	 <p>030.8485</p>
Mounting kit for 6RRH	Adapter plate for break out	Grounding kit for poles, green-yellow, 16mm², 0.5 m
R900186	R900192	R898575
 <p>030.8414</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
R900183	R900198	R900200
 <p>030.8467</p>	 <p>030.8417</p>	 <p>030.8416</p>
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
 <p>030.8469</p>	 <p>030.8419</p>	
Jumper HEC-BR LCd PC – PDLC PC	Jumper power connector female – blunt cut	
2 m: R900330 5 m: R900331	2 m: R900268 5 m: R900269	