

CONEXIO *easy* HY-6 RRH



030.8434

SCOPE OF SUPPLY

Hybrid to the antenna (HTTA) cable head terminal solution for 6 remote radio heads (RRH) with feeder cable, FO terminated with a divider and fan out, PO blunt cut on the base band unit (BBU) station.

GENERAL DESCRIPTION

The CONEXIO easy HY-6RRH is a cable terminal solution for FO connectivity and power supply for up to 6 remote radio heads (RRH) and is equipped with the R&M HEC-BR IP68 outdoor in-line adapters as well as the female power sockets. The BBU side comes with a blunt cut for power and a divider with a fan out for fiber optics. Optionally a cable gland can be added to seal the entry point to the base station.

FEATURES

- Up to 12 RRH
- Combination of fiber and copper
- Robust design
- Easy installation
- IP68
- Outdoor FO connectivity with HEC-BR in-line adapters
- PO connectivity with female power sockets
- Fast jumper mating and replacement
- Plug & play

PRODUCT-NO	PRODUCT DESCRIPTION	Features
851760	CONEXIO easy HY-6RRH HEC-BR LCdPC 10 m	Feeder cable length 10 m
851774	CONEXIO easy HY-6RRH HEC-BR LCdPC 50 m	Feeder cable length 50 m
851775	CONEXIO easy HY-6RRH HEC-BR LCdPC 100 m	Feeder cable length 100 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 sockets female
Maximum current rating per RRH	Up to 44 A per power connector (depending on conductor cross section)
Product dimension (WxHxL)	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
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	10 mm ²
Conductor type IEC 60228	Class 5
Conductor resistance	1.91 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	35 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
CPR classification	Dca
Connector type FO	HEC-BR LCd PC in-line adapters
Mating cycles FO	> 500
Connector type PO	Power socket female
Mating cycles PO	> 100

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 / cycle 1)

CLIMATICAL DATA

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

FIRE PROPERTIES

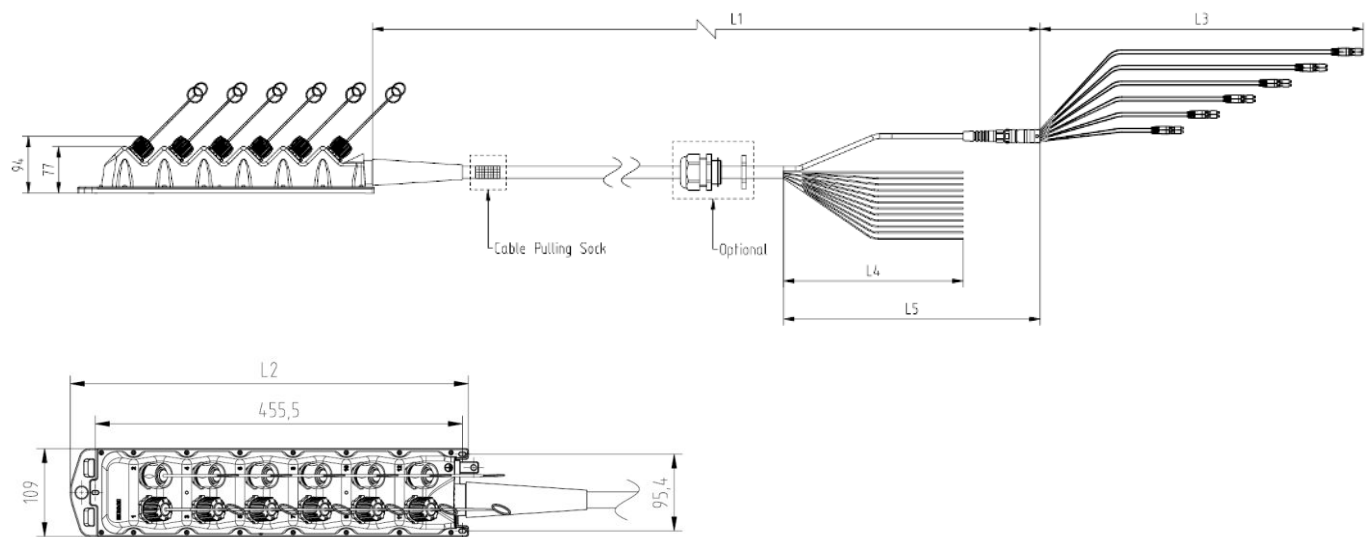
DESCRIPTION	VALUE / VALUE RANGE	STANDARD
Flammability rating	Pass	UL 94-V0
Fire propagation	Pass	IEC 60332-1-2, IEC 60332-3-25

ENVIRONMENT

DESCRIPTION	VALUE / VALUE RANGE
RoHS	Compliant
REACH	Compliant

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TECHNICAL DRAWING



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	980-1130mm	±20mm
L4	200mm	±10mm
L5	328mm	±15mm

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ACCESSORIES

 <p>030.8490</p>	 <p>030.8477</p>	 <p>030.8386</p>
Base plate kit for HY-6RRH	Base plate kit with protection cover for HY-6RRH	Hose clamp for pole diameters 40 – 60 mm
R900197	R900195	R900198
 <p>030.8386</p>	 <p>030.8485</p>	 <p>030.8414</p>
Hose clamp for pole diameters 60 – 135 mm	Grounding kit for poles, green-yellow, 16mm², 0.5 m	Grounding cable, green-yellow, 16 mm², 0.5 m
R900200	R900260	R900261
 <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 Souriau connector female – blunt cut	
2 m: R900330 5 m: R900331	2 m: R900268 5 m: R900269	