



HEC-BR & HEC-QR

R&M's robust outdoor connectors for harsh challenges

HEC-BR & HEC-QR

With the trend towards 5G, demand is increasing for high-performance fiber optic connectors in outdoor applications to ensure secure connections between radio heads and networks. Manufacturers like R&M must therefore respond to the challenges of this environment and develop robust solutions. In this context, R&M presents the HEC-BR and HEC-QR, two strong outdoor connectors that withstand extreme temperatures, vibrations, salt spray, dirt and moisture.



Easy handling

- Can be plugged-in and -out single handed, even with gloves to secure user anytime anywhere
- Blind mating to prevent damage

Durable

- Withstands all environments from cold to hot
- Long term durable thanks to UV-resistant and dimensionally stable materials

Reliable

- up to 450N pulling force
- Resistant to weathering



- 1 IP68 protection
- 2 UV resistant
- 3 450N pulling force
- 4 Wiggeling resistant
- 5 Blind mating
- 6 Can be plugged-in and plugged-out single handed

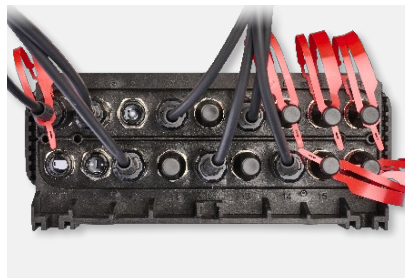




Copper cabling is increasingly being replaced by fiber optics, even outdoors. The demands on connectors are increasing significantly as they become more sensitive to extreme environmental influences such as heat, moisture and vibrations. Other sectors such as broadcasting, transportation, mining and industry are also increasingly relying on fiber optics for outdoor data transmission.



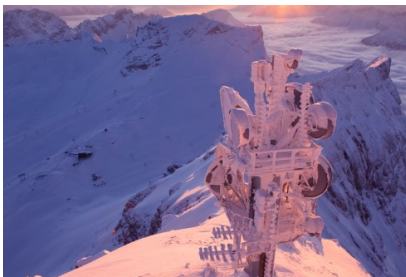
The HEC-BR features a bayonet coupling and a 32 mm diameter



HEC-QR has a quick-release mechanism and a 19 mm housing to allow higher packing density at the point of use.



The push-twist-pull coupling on the HEC-QR prevents unintentional unlocking by operators, wildlife by requiring a slight counterclockwise twist.



R&M's HECs are certified according to the standards «Telcordia GR 3120 and IEC 61753-1 Category Extreme Environment».



Both models are able to accommodate LC, SC and MPO connectors and are optimally protected against extreme environmental influences thanks on their housing design.



The HEC housings are decoupled from the cable strain relief in the housing to protect the mated ferrules from temperature fluctuations, cable shrinkage and mechanical influences.

CONEXIO

FTTA and PTTA Solutions

CONEXIO *flexx* – Box



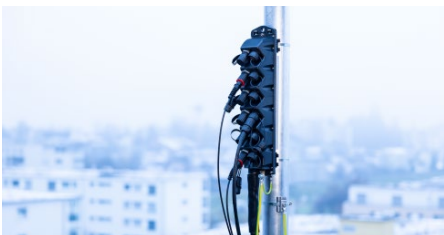
- Fiber optic (FO), power (PO), hybrid (HY) for 6 RRH and FO for 12 RRH
- Different box sizes depending on configuration
- Feeder cable lengths from 10 m to 200 m
- Flexible mounting, easy maintenance
- Connections are accessible
- Use of standard LCd connectors and cables
- Interchangeable jumper cable between box and RRH
- Optional installation protection: circuit breaker and/or overvoltage/lightning protection close to the antenna

CONEXIO *lite* – Divider



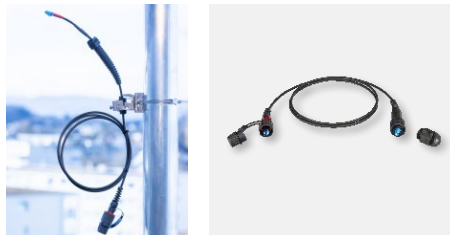
- FO, PO, HY for 6 RRH and 12 RRH
- Feeder cable lengths from 10 m to 200 m
- Compact, lightweight, customizable
- Easy to be deployed, short installation time
- Adapter plate for cable breakout fixation and individual arrangement of FO/PO cables
- Optional: further configurations (x RRH)

CONEXIO *easy* – Cable Head Terminal



- FO, PO, HY for 6 RRH and FO for 12 RRH
- Compact design, high functionality, short installation time
- Feeder cable lengths from 10 m to 200 m
- Plug & Play supports easy replacement and future upgrades of RRH. Further configurations possible (x RRH)
- Optional: Pluggable MPO multi-fiber cable for FO connection from BBU to terminal

CONEXIO *jump* – Jumper cables



- FO (2 fibers) and PO (2+1 conductors, DC) per RRH
- Jumper lengths from 2 m to 10 m
- R&M Connectivity HEC-BR
- Market standard OEM connectivity
- Plug & Play - ready for immediate installation

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