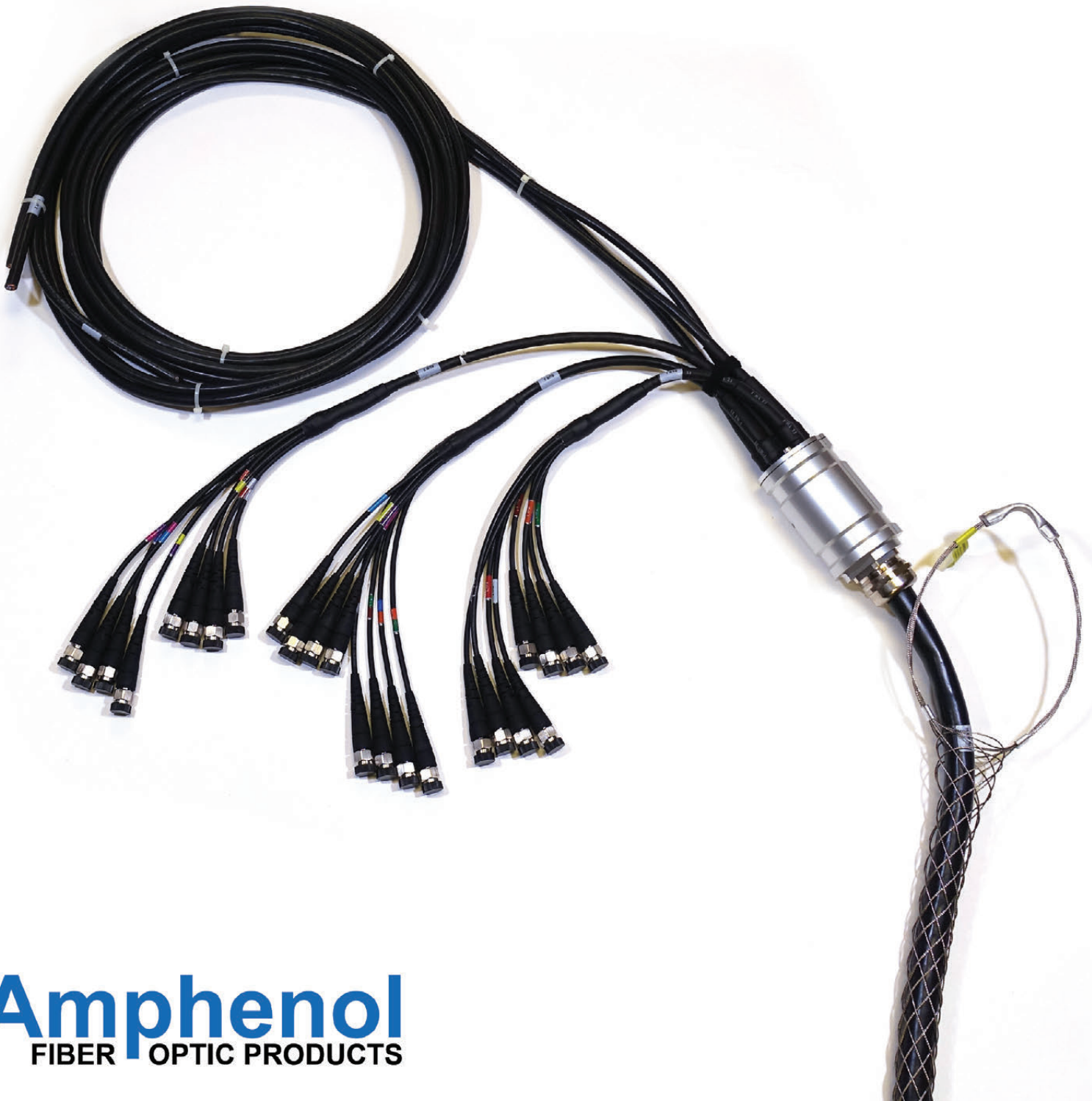


DIRECT CONNECT

NETWORK INFRASTRUCTURE SOLUTIONS



Amphenol
FIBER OPTIC PRODUCTS

DIRECT CONNECT

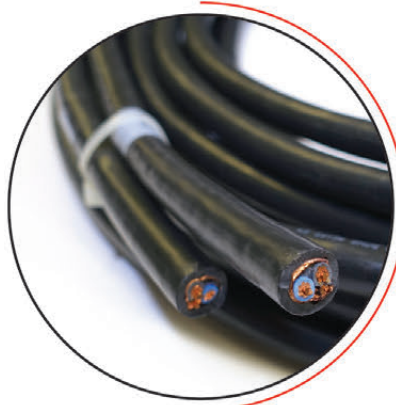
Amphenol hybrid trunk solutions offer fiber optic and power connectivity in a single cable, with up to 48 fiber pairs and 18 copper conductors available. A single trunk enables connectivity to several RRH's without the need for a tovertop distribution box.

The direct connect hybrid trunk is the most efficient and easiest to install solution on the market. The plug and play installation system is the preferred choice of many communication equipment manufacturers and operators.



FIBER PAIRS

UP TO 48 PAIR



POWER PAIRS

UP TO 9 PAIR

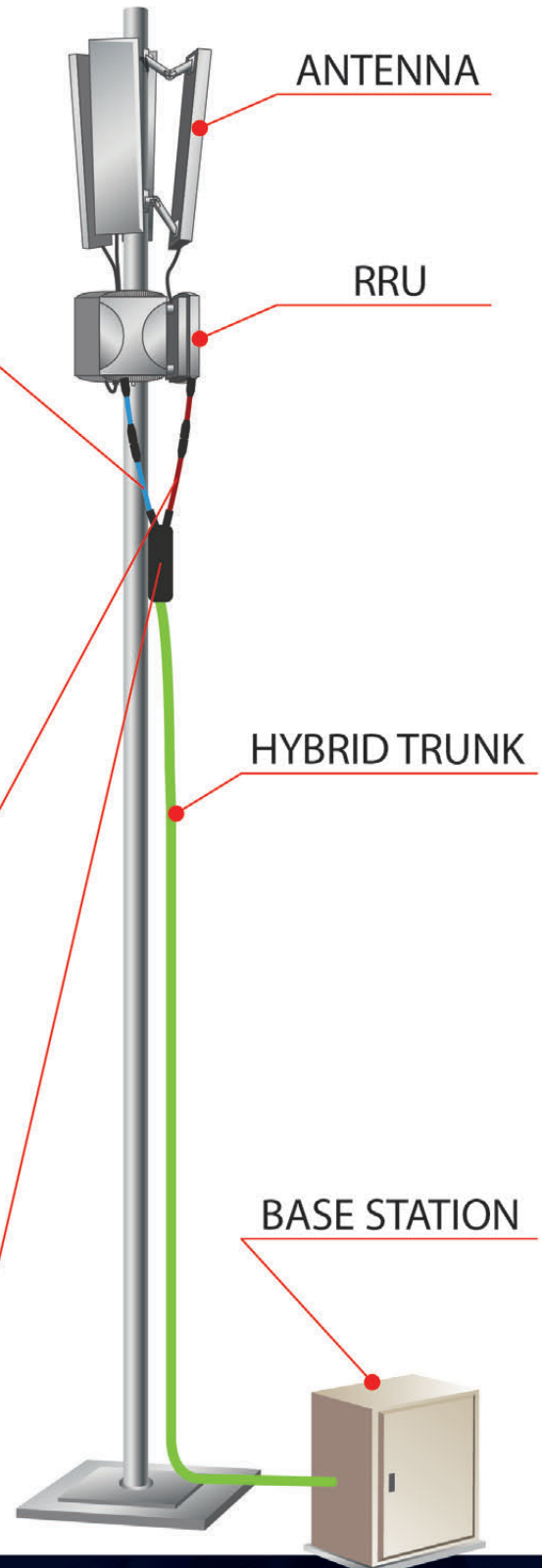


CANISTER

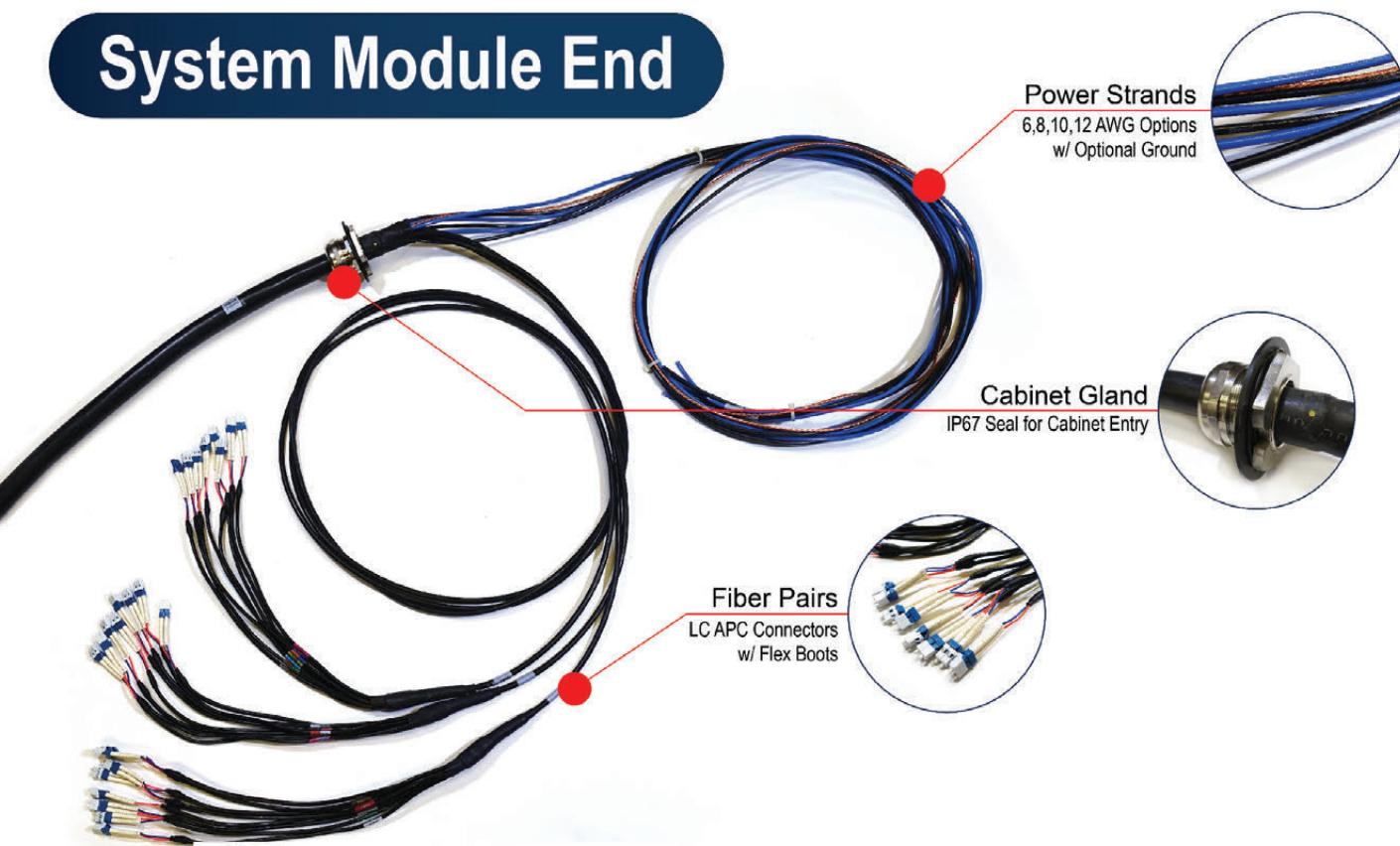
ROBUST METAL

OVERVIEW

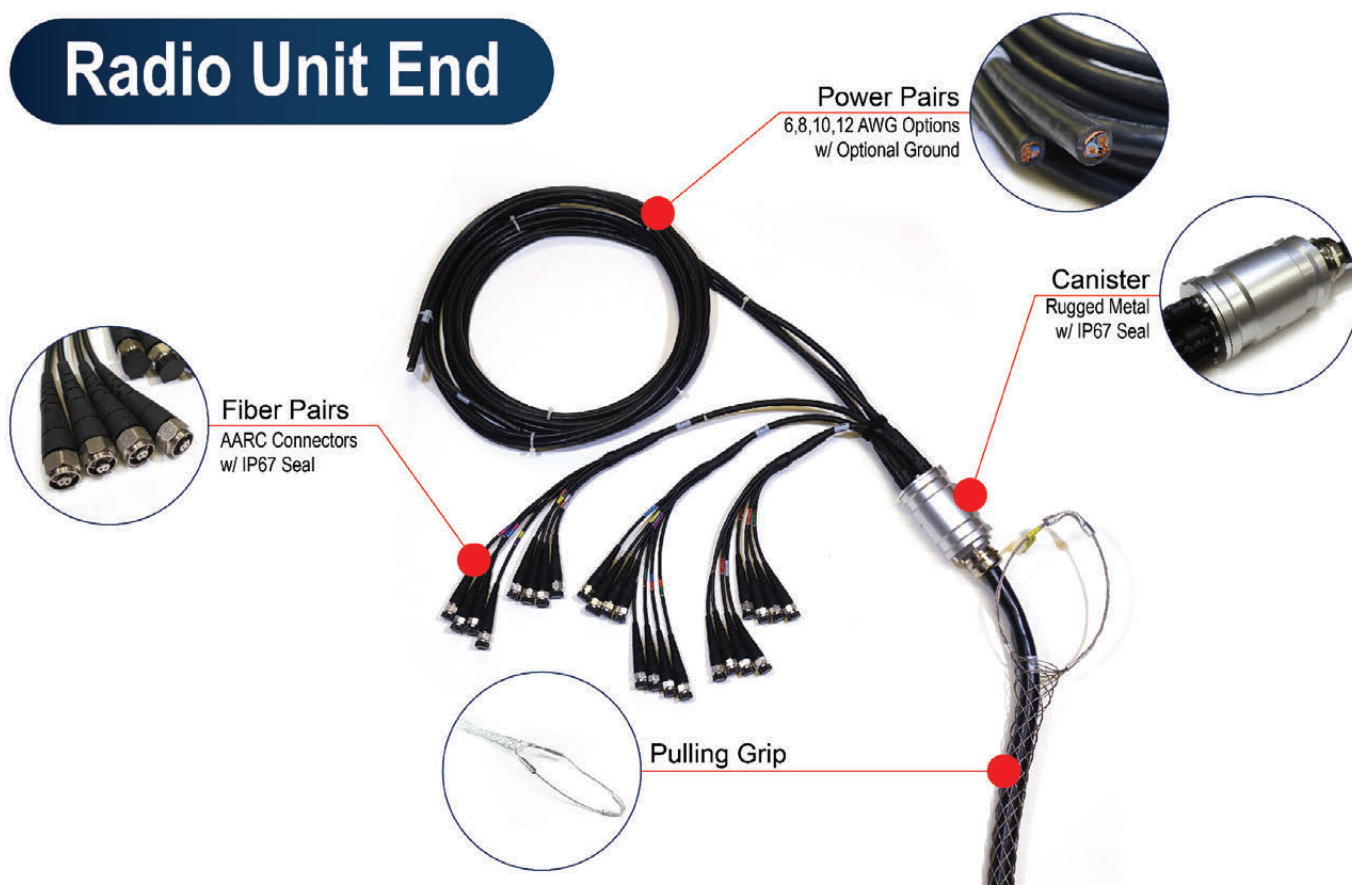
A metal canister providing a secure and reliable hoisting and grounding mechanism splits power and optical cables into separate ruggedized short branches equipped with fiber optic outdoor harsh environment connectors and optional power connectors.



System Module End



Radio Unit End



DIRECT CONNECT

SPECIFICATIONS

BENEFITS

Single cable running to the RRH

Boxless solution limiting footprint impact, weight and wind load risk

Fastest and easiest to install solution compared to conventional box

Only RRH jumpers need to be changed when equipment is upgraded:

Easy to maintain
Future proof design

Base station side cable over-length management very easy due to the presence of a rip cord in the cable

Delivered on wooden drum with ends protected with protective and pulling socks and weatherproof sleeves

FEATURES

Fiber:

5mm cable with 2 fibers
Singlemode fiber

Power:

Individual Conductors:

Gauge: 6, 8, 10, 12 AWG

Cross Section: 13.3mm², 8.37mm², 5.26mm², 3.31mm²

Bending Radius:

Long term - 15x diameter

Short term: 20x diameter

Crush Resistance: 2000 N/m

Operating Voltage: -48 Vdc

Cable Shielding: Copper tape

Temperature Range:

Operating: -40 to 80°C

Installation: -30 to 60°C

Canister System:

Number of power pairs: up to 9

Number of fiber pairs: up to 48

Hybrid Trunk Cable Jacket Material: PVC or LSZH

INDUSTRY COMPLIANCE

Flame retardant: IEC 60032-1

Impact resistance: UL-746C

RoHS compliant

UV resistant: UL 1581 Sec. 1200

Material flammability rating: UL-94



AARC & LC Breakout