

# SMART DC KITS

for alternative Remote Radio System Powering



## Features

- Easy connecting of DC power cables to corrugated cables
- 3 different kits for the corrugated cable dimensions 7/8", 1 1/4" and 1 5/8"
- Multi brand compatibility for the corrugated cables
- Each kit is also offered with DC cable pigtail (selected DC cables 2x16 and 2x10 mm<sup>2</sup>)
- DC current rating up to 60 A
- Lightning current handling capability of a real strike 50 kA, 10/350 µs test pulse

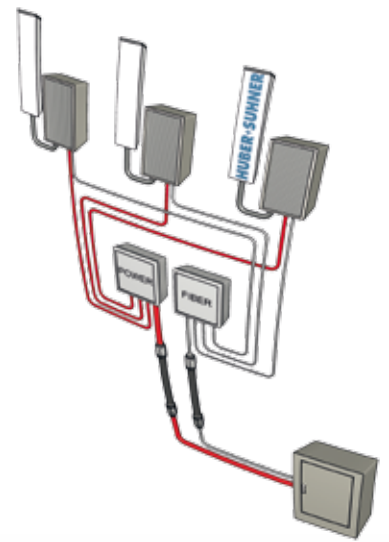
## Benefits

- Saving installation time, labour, material and equipment costs
- Avoiding corrugated cable dismantling costs
- No visual installation changes (no consent necessary)
- Dedicated technical support

## Application

In recent mobile network upgrades, conventional cell sites with corrugated cables for RF signal transmission to the antennas are often completely converted into remote radio systems with FTTA signal feed. The installed corrugated cables become redundant and would have to be dismantled.

The idea has come up and already been patented to save this effort and even turn it into additional cost advantages for the RRH installations. The fiber can be installed in the inner conductor tube of the coaxial cable and the DC power supply can be established using the inner and outer conductor of it.



## Specifications

Product conformity (TÜV approved)	IEC/EN 61984
Corrugated cable compatibility list	refer to single product data sheet
DC current rating	7/8": 40 A; 1 1/4" and 1 5/8": 60 A <sup>1)</sup>
DC voltage rating	100 V
Rated impulse voltage	1.5 kV, 1.2/50 µs
Overvoltage category IEC 60664-1	III
Partial lightning current handling	50 kA, 10/350 µs, 3 pulses
IP rating IEC 60529	IP 67
Pollution degree	1
Upper limiting temperature	+ 85 °C
Lower limiting temperature	- 40 °C
Cable retention / cable gland	≥ 70 N, typ. 105 N

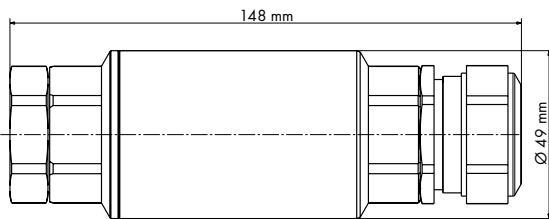
Material	
Body	brass, nickel plated
Contact holder	brass, nickel plated
Centre contact	CuBe or bronze, nickel plated
Cable gland	brass, nickel plated

1) With 2 x 10 mm<sup>2</sup> DC cable 40 A only

## Product range

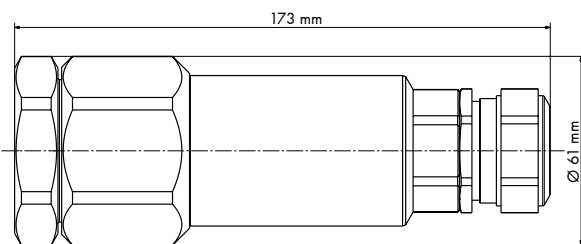
SMART DC Kit

### Kits for 7/8" cables



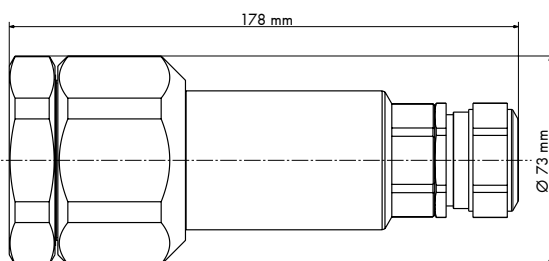
HUBER+SUHNER type	Item no.	Description	Preparation tools
73_Z-50-23-5	84117348	kit without DC cable pigtail	74_Z-50-23-18 or 74_Z-50-23-20
73_Z-50-23-6	84115873	kit with 5 m NYCWY 2x16RE/16	
73_Z-50-23-7	84115875	kit with 10 m NYCWY 2x16RE/16	
73_Z-50-23-8	84123654	kit with 5 m NYCWY 2x10RE/10	
73_Z-50-23-9	84123656	kit with 10 m NYCWY 2x10RE/10	

### Kits for 1 1/4" cables



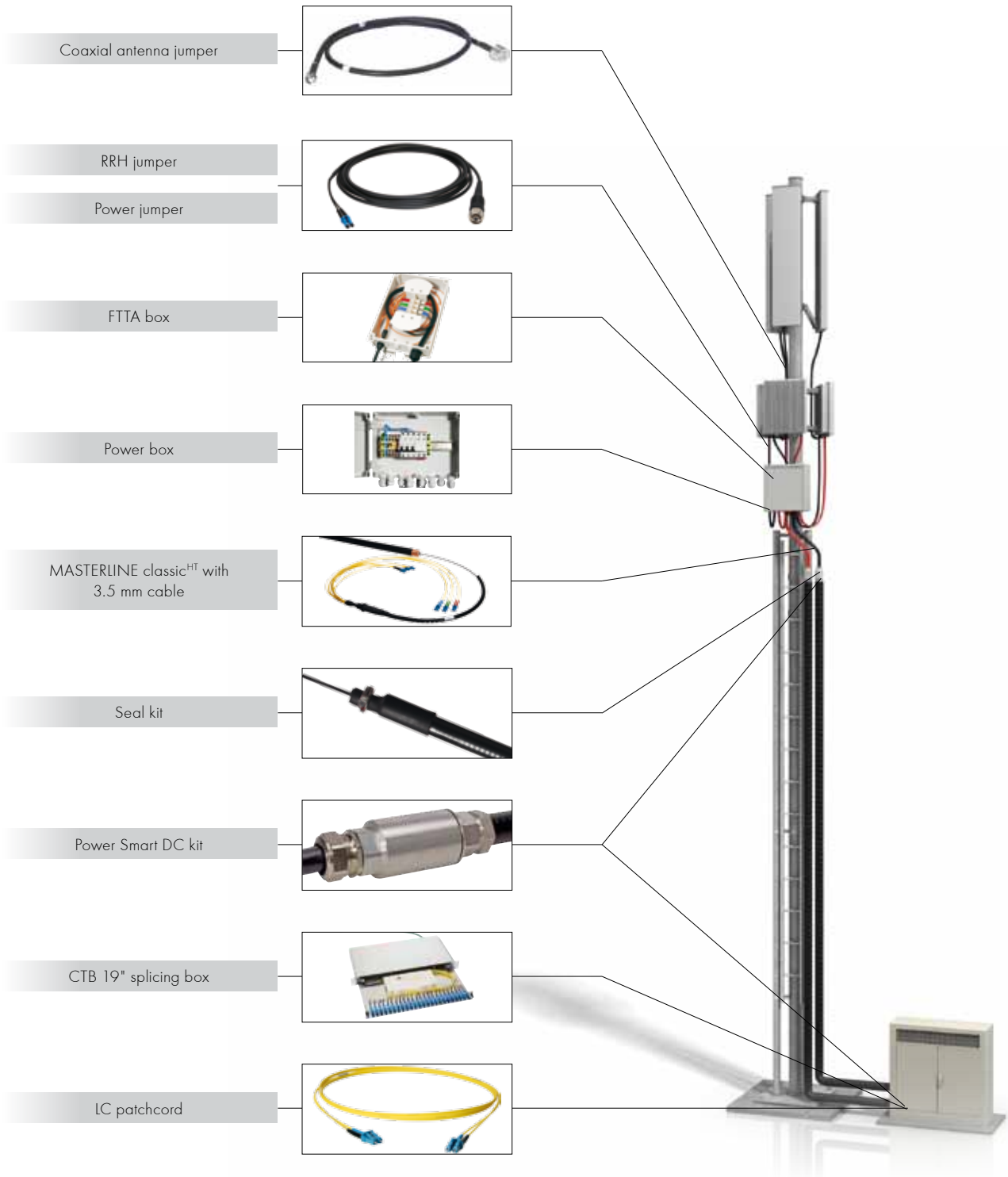
HUBER+SUHNER type	Item no.	Description	Preparation tools
73_Z-50-32-5	84122432	kit without DC cable pigtail	74_Z-50-32-14 and 74_Z-50-32-15
73_Z-50-32-6	84122548	kit with 5 m NYCWY 2x16RE/16	
73_Z-50-32-7	84122549	kit with 10 m NYCWY 2x16RE/16	
73_Z-50-32-8	84123745	kit with 5 m NYCWY 2x10RE/10	
73_Z-50-32-9	84123754	kit with 10 m NYCWY 2x10RE/10	

### Kits for 1 5/8" cables



HUBER+SUHNER type	Item no.	Description	Preparation tools
73_Z-50-42-5	84122550	kit without DC cable pigtail	74_Z-50-42-14 and 74_Z-50-42-15
73_Z-50-42-6	84122553	kit with 5 m NYCWY 2x16RE/16	
73_Z-50-42-7	84122557	kit with 10 m NYCWY 2x16RE/16	
73_Z-50-42-8	84123742	kit with 5 m NYCWY 2x10RE/10	
73_Z-50-42-9	84123743	kit with 10 m NYCWY 2x10RE/10	

# HUBER+SUHNER Solutions for the re-use of corrugated copper cables in remote radio systems

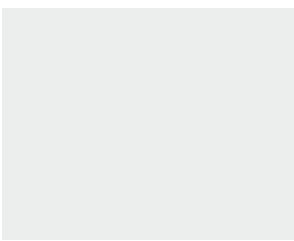


For more detailed information, please visit our home page «[hubersuhner.com](http://hubersuhner.com)» or order a copy of our catalogue «Wireless Infrastructure», order no. 84126953.

HUBER+SUHNER is certified according to ISO 9001, ISO 14001, ISO/TS 16949 and IRIS.

**WAIVER**

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