## **Data Sheet**

# HUBER+SUHNER

## HUBER+SUHNER<sup>®</sup> MINI141<sup>™</sup> HT Cable

## Description

- Impedance 50  $\Omega$
- Applicable up to 40 GHz
- Automatically ruggedized by design •
- Direct replacement for 0.141 inch semi-rigid cables •
- A Viable Solution for RoHS-compliant Environments

What is it? MINI141™ HT is an enhanced, low loss version of the MINIBEND flexible coaxial cable assembly with increased phase stability and power handling capacity which is designed for use in low profile, internal, point-to-point interconnections between RF modules within communications systems. MINI141™ HT replaces 0.141 inch custom semi-rigid cables with standard flexible cables providing 20 % lower attenuation and eliminating the need for predefined custom lengths and bend configurations. The construction of the MINI141 HT allows a higher-temperature environment at the connector junction, while the lead-free solder positions it as fully RoHS compliant selection.



#### MINI141<sup>™</sup> HT – Available Cable Connectors/Interfaces

#### Compatible Connectors (Other connectors may be made available upon request)

| Requirements |  |
|--------------|--|
| SMA          |  |
| Ν            |  |
| TNCA         |  |
| sk           |  |

### **Technical Drawing**

| Cable | Inner<br>Conductor | Dielectric          | Outer<br>Conductor            | Barrier                         | Outer Braid              | Jacket | Outer<br>Diameter |
|-------|--------------------|---------------------|-------------------------------|---------------------------------|--------------------------|--------|-------------------|
|       | 1                  | 2                   | 3                             | 4                               | 5                        | 6      |                   |
| 32022 | CuAg (SPC)<br>Wire | Microporous<br>PTFE | CuAg (SPC) flat<br>wire braid | Aluminum /<br>Polyimide<br>Tape | Stainless<br>Steel Braid | FEP    | 3.7 mm            |

| Cable | Operating<br>Frequency | Velocity<br>(nominal) | Weight<br>(nominal) | Static Min.<br>Bend Radius | Impedance | Temp. Range |
|-------|------------------------|-----------------------|---------------------|----------------------------|-----------|-------------|
|       | GHz                    | %                     | g/m                 | mm                         | Ω         | °C          |
| 32022 | 40                     | 76.3                  | 31.3                | 8.4                        | 50        | -55 to +200 |



HUBER+SUHNER is certified according to EN(AS) 9100, ISO 9001, ISO 14001, ISO/TS 16949, and ISO/TS 22163.

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Author: HUBER+SUHNER ASTROLAB / Verified: 05.2021 / Approved: 05.2021

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