

Poynting CAB-109, 10M TWIN HDF-195 Low Loss Cable

SKU: ANT-PY-00022
 MPN: A-CAB-109

Description


The Poynting CAB-109 is a 10-metre, twin HDF-195 low loss coaxial cable designed for high-performance RF applications. Known by the part number A-CAB-109, this cable is engineered as a superior alternative to RG-58, RG-122, RG-303, and RG-142 cables. Its L-195 specification is synonymous with the LMR-195 designation, offering excellent RF shielding of over 90 dB due to its double-shielded conductor. The durable PE jacket ensures a service life exceeding 20 years, making it a reliable choice for long-term installations.

This cable supports operating frequencies from 0 GHz to 6 GHz and is compliant with CE and RoHS certifications, ensuring environmental and safety standards are met. It exhibits a VSWR of $\leq 1.35:1$ at 6000 MHz, indicative of superior signal integrity. Designed to endure multiple mating cycles, it is ideal for various applications including 4G LTE, GSM, Machine to Machine (M2M), Digital Television (DTV), and other...

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RF Specification

| | | | |
|---|--|---|---------------|
| Start Frequency: | 0 GHz | Stop Frequency: | 6 GHz |
| VSWR Measurement | Poynting | | VSWR |
|  | Frequency | Poynting is a top global provider of integrated antenna solutions, responsible for the innovation, design and | |
| | 6000 MHz | | $\leq 1.35:1$ |
| | PTY in 1997 and in 2001 established Poynting Antennas. It caters antenna solutions for primarily wireless high speed data applications, including residential 4G LTE as well ... | | |

Physical Specification

| | | | |
|----------------------------|--------------|---------|------|
| Subtype: | Feeder Cable | Length: | 10 m |
| Compliance/Certifications: | CE | | |
| RoHS | | | |

RF Connectors

| RF Interface | Body Shape | Mounting |
|--------------|------------|--------------|
| SMA Female | Straight | Free Hanging |
| SMA Male | Straight | Free Hanging |

L-195

| | | | |
|---------------------------|-----------|--------------------------|---------|
| Min. Frequency: | 0 GHz | Max. Frequency: | 41 GHz |
| Impedance: | 50 | Shielding Effectiveness: | > 90 dB |
| Min. Bend Radius Static: | 12.7 mm | Colour: | Black |
| Min. Bend Radius Dynamic: | 50.8 mm | Weight (g/m): | 30 g |
| Attenuation @ 1 GHz: | 0.39 dB/m | | |

Cable Layers

| Layer | Diameter | Materials | Notes |
|-----------------|----------|---------------------------|---|
| Inner Conductor | 0.94 mm | Solid Copper | Some cable variants have a stranded inner conductor |
| Dielectric | 2.79 mm | Foamed Polyethylene (EPE) | |
| Outer Conductor | 2.95 mm | Aluminium Foil (Bonded) | |
| Outer Conductor | 3.53 mm | Tinned Copper Braid (TC) | |
| Outer Jacket | 4.95 mm | Polyethylene (PE) | |

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