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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 ≤ 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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Poynting

Poynting is a top global provider of integrated antenna solutions, responsible for the innovation, design and manufacture of its market-leading products. Established as a consultancy in 1990, Poynting evolved into an official 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 ...

RF Specification

Start Frequency:	0 GHz	Stop Frequency:	6 GHz

VSWR Measurement

Frequency	VSWR
6000 MHz	≤ 1.35:1

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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