RG213 Coaxial Cable

Transcribed from client-supplied text

Description

The RG213 low-loss RG coaxial cable, available at McGill Microwave, is designed to meet the demands of various RF communication applications. Its construction utilises high-quality materials to ensure durability and reliable performance, making it an ideal choice for both indoor and outdoor use.

Construction and Low Loss Figures

RG213 is designed with a 7-strand Bare Copper conductor and solid Polyethylene (PE) insulator, ensuring minimal signal loss and high signal speed. Its shielding, provided by a tinned copper braid, contributes to stable loss over a prolonged period of time as the cable material is less affected by moisture than traditional bare copper.

Inner Conductor and Insulator

The 7-strand bare copper inner conductor, combined with the Solid Polyethylene (PE) insulation, ensures excellent signal transmission and resistance to signal loss. The solid PE design also provides outstanding crush resistance, enhancing the cable’s durability.

Shielding

Comprising of a tinned copper braid shield, the RG213 cable provides ideal shielding which ensures minimum RF Leakage and thus provides low loss.

Outer Jacket

RG213 features a robust 10.30mm Polyvinyl Chloride (PVC). The PVC Material, along with the stranded centre conductor, offers high flexibility.

Frequency Operating Band

RG213 operates from DC up to 3GHz making it the perfect choice for ant frequency band at VHF and up to 3GHz, ensuring minimal signal loss within this frequency range.