

DESCRIPTION

The Netcon RG11 CCS Cable is a specialized coaxial cable engineered to provide reliable and efficient transmission of RF (Radio Frequency) signals over long distances. This cable is designed with a Copper-Clad Steel (CCS) conductor, making it durable and cost-effective without compromising on signal performance. RG11 cables are characterized by their larger diameter compared to other coaxial cables like RG6, enabling them to support low attenuation and superior signal integrity over extended cable runs. cable is used as a trunk cable with standard transmission distance up to 700m.

CABLE CONSTRUCTION

Conductor: Copper Clad Steel

Insulation: Foam PE (Polyethylene)

Insulation Colour: Neutral

Shielding: Aluminium / Polyester Foil Bonded

Braid Wire: Aluminium Wire

Outer Jacket: PVC (Polyvinyl Chloride), LSZH (Low smoke zero halogen)

Jacket Colour: Black

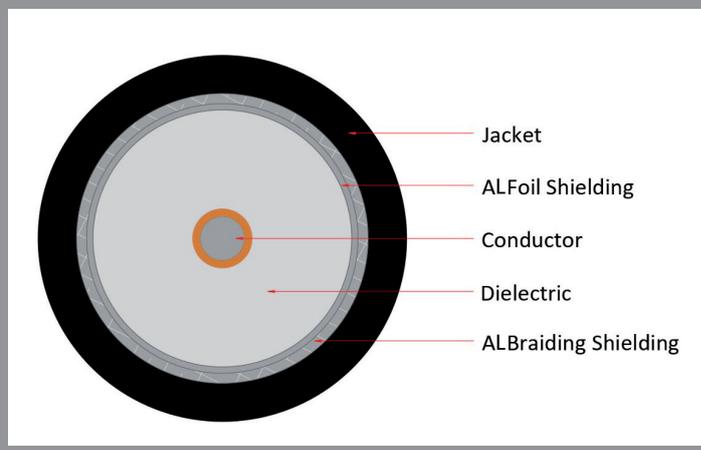
CHARACTERISTICS

Voltage Rating : 300

Temperature Limits: Fixed: -20°C to +70°C

Minimum Bending Radius:

As per Cable Manufacturer's Data Sheet



CORE IDENTIFICATION

Pair 1: ■ Red ■ Black

Pair 1: ■ Green □ white

Should not be installed at temperatures below 0°C

Physical Characteristics

Characteristics	Value
Center Conductor Diameter	1.63 mm
Insulation Diameter	7.11 mm
Braid Wire Diameter	0.16 mm
No. of Braid Wire	96
Braid Wire Coverage	60%
Outer Jacket Diameter	10.03 mm
Min. Bending Radius (Installation)	35.55 mm
Max. Pulling Tension	713 N
Operating Temperature	-20°C to + 70°C

Electical Characteristics

Characteristics	Unit	Value
Charactristic Impedance	Ω	75.0
Capacitance	pF/m	51.0
Center Conductor DCR	Ω /km	<40.0
Braid Wire DCR	Ω /km	<25
Velocity of Propagation	%	84
Dielectric Strength	VCA	1500
Jacket Sparker	VCA	2500
Return Loss (5-6000 Mhz)	dB	23.0

Performance Characteristics

Frequency at 20°C (MHZ)	Attenuation (10% higher) (dB/100m)
1	0.83
10	1.85
50	3.10
100	4.33
200	6.00
400	8.53
700	11.70
900	13.56
1000	14.27
1200	15.55
1750	17.37
2150	19.60
2200	21.40
3000	27.58

RoHS Guideline

Properties	Value
Calcium Content (Cd)	<0.01%
Lead Content (Pb)	<0.1%
Mercury Content (Hg)	<0.1%
Chromium (VI) Content	<0.1%
Polybrominated Biphenyls (PBB)	Forbidden
Polybrominated Diphenyl Ether (PBDE)	Forbidden

ORDERING INFORMATION

Part No.	Description
NTRG11CS	Netcon RG11, Co Axial cable, Copper coated steel conductor with Aluminium foil and braid