

DESCRIPTION

The Netcon RG6 CCS cable is a coaxial cable with a Copper Clad Steel (CCS) conductor, offering a balance of strength and conductivity. It has a 75-ohm impedance and is commonly used for TV, satellite, and internet connections.

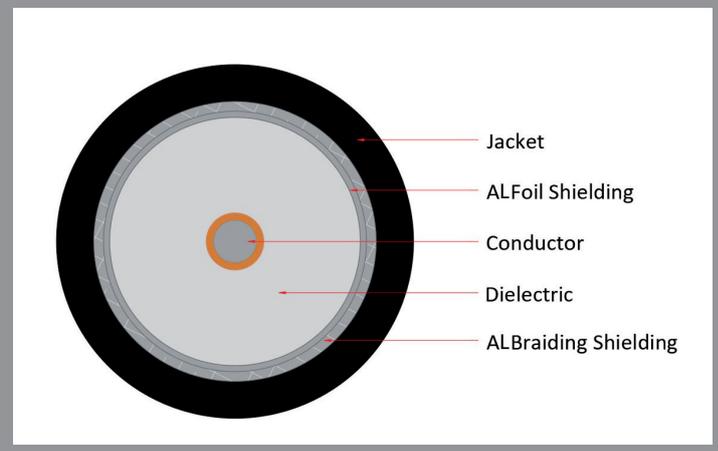
The cable features multi-layer shielding for signal protection and is designed for reliable data transmission with minimal interference. It's a cost-effective solution for residential and commercial installations. Transmission distance upto 500 meters using HD video.

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

Physical Characteristics

Characteristics	Value
Center Conductor Diameter	1.02 mm
Insulation Diameter	4.75 mm
Braid Wire Diameter	0.12 mm
No. of Braid Wire	80
Braid Wire Coverage	60%
Outer Jacket Diameter	6.80 mm
Min. Bending Radius (Installation)	22.85 mm
Max. Pulling Tension	470 N
Operating Temperature	-20°C to + 70°C

Electical Characteristics

Characteristics	Unit	Value
Charactristic Impedance	Ω	75.0
Capacitance	pF/m	52.0
Center Conductor DCR	Ω /km	<100.0
Braid Wire DCR	Ω /km	<46.5
Velocity of Propagation	%	82
Dielectric Strength	VCA	1000
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	1.21
10	2.16
50	4.62
100	6.30
200	8.66
400	12.23
700	16.56
900	18.99
1000	20.04
1750	29.00
2150	32.50
2200	33.00
3000	39.00

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
NTRG6CS	Netcon RG6, Co Axial cable, Copper coated steel conductor with Aluminium foil and braid