



• Application

Hardline coaxial cables are designed for high-power, high-frequency applications that require superior performance and durability. These cables are commonly used in professional and industrial settings, including broadcast transmitters, cable television headends, and cellular base stations as below:

Broadcast Transmitters: Used to transmit high-power television and radio signals from the broadcast station to the antenna.

Cable Television Headends: Connects headend equipment to distribution networks, ensuring high-quality signal transmission over long distances.

Cellular Base Stations: Facilitates the transmission of signals between the base station and the antenna, essential for mobile communications.

Satellite Ground Stations: Used in the transmission and reception of satellite signals.

Military and Aerospace: Suitable for applications requiring robust and reliable signal transmission in harsh environments.

• Advantages

High Performance: Hardline cables offer low signal attenuation and high power handling, ensuring efficient and reliable signal transmission over long distances.

Excellent Shielding: Superior protection against EMI and RFI ensures signal integrity and minimizes interference.

Durability and Longevity: Built to withstand harsh environmental conditions, these cables offer long service life with minimal maintenance.

Versatility: Suitable for a wide range of high-power, high-frequency applications, making them ideal for professional and industrial use.

• Construction

Shield: Solid aluminum tube

Jacket: Medium density PE

Center conductor: Copper clad aluminum (CCA)

Dielectric: Micro-cellular foam PE

Outer conductor: Seamless aluminum tube

Outer jacket: High quality PE

Messenger: Steel

• Specification

-ANSI/SCTE 74: Specification for Coaxial Cable.

-IEC 61196-1: International Electrotechnical Commission standard for Coaxial Communication Cables.

• Eastful Cable Lab



We have CNAS Accredited Facility to assure conformity assessment services with a focus on quality, expertise, and customer satisfaction.

CNAS has international mutual recognition among IAF, ILAC, APLAC and PAC.

• Accreditation

We meet the requirements of ISO9001, ISO14001, ISO45001 and ISO50001 and our cables have certificate of CCC, RoHS, CASC, UL, cUL, TÜV Rheinland and CCS.



• National Green Factory



Our facility has been awarded of National Green Factory by Ministry of Industry and Information Technology of China. We are committed to the development of high-end, intelligent and green manufacturing industry.

*The overall energy consumption level of green factories is better than the energy efficiency benchmark level.

● Technical Parameters

Nominal Outer Conductor Thickness of Shield	0.61mm	
Nominal Jacket Diameter	14.22mm	
Nominal Jacket Thickness	0.76mm	
Nominal Diameter of Center Conductor	2.77mm	
Nominal Diameter of Dielectric	11.43mm	
Nominal Diameter of Out Conductor	12.70mm	
Nominal Diameter of Outer Jacket	14.22mm	
Nominal Diameter of Steel Messenger	2.77mm	
Minimum Breaking Strength of Messenger	816KGf	
Electrical Characteristics		
Capacitance	15.3±1.0pt/ft.(50±3.0nf/km)	
Impedance	75±2 ohms	
Velocity of Propagation(%)	87% nominal	
Attenuation @68°F.(20 °C)		
@Frequency MHz	Db/100ft. (Max.)	dB/100 meters (Max.)
5MHz	0.16	0.52
55MHz	0.54	1.77
83MHz	0.66	2.17
211MHz	1.09	3.58
250MHz	1.20	3.94
300MHz	1.31	4.30
350MHz	1.43	4.69
400MHz	1.53	5.02
450MHz	1.63	5.35
500MHz	1.73	5.67
550MHz	1.82	5.97
600MHz	1.91	6.27
750MHz	2.16	7.09
865MHz	2.34	7.68
1000MHz	2.52	8.27