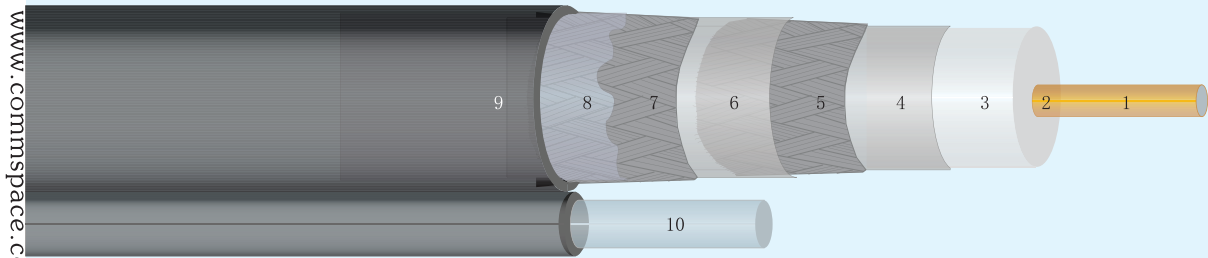


CABLE CONSTRUCTION



- 1、Center conductor: Copper Clad Steel/Bare Copper/Silver-coated Copper Clad Steel/Copper Clad Aluminum
- 2、Center conductor pre-coat: Corrosion inhibitor additive and bonding agent extruded over center conductor to block moisture migration into the cable
- 3、Dielectric: Closed cell Foamed PE(skin-foam-skin) or Solid PE
- 4、First outer conductor: Laminated shielding tape(Alu Foil/Cu Foil) with 18-35% overlap to the dielectric core
- 5、Second outer conductor: 34/36AWG Aluminum braid wire/Copper braid wire/Tinned Copper braid wire/Copper Clad Aluminum braid wire/Copper Clad Brass braid wire
- 6、Third outer conductor: Laminated shielding tape(Alu Foil/Cu Foil) with 18-35% overlap to the semi-finished core
- 7、Fourth outer conductor: 34/36AWG Aluminum braid wire/Copper braid wire/Tinned Copper braid wire/Copper Clad Aluminum braid wire/Copper Clad Brass braid wire
- 8、Corrosion resistant protectant: Anti-corrosion flooding compounds
- 9、Jacket: Flame retardant and UV resistant PVC, LSZH, Low temperature resistant PVC/PE with/without tracer, Mothproof/Ratproof PVC
- 10、Integral Messenger: A galvanized, carbon steel wire attached to the cable by a separable web

NORMATIVE REFERENCE

- ANSI/SCTE 74 2003: Specification for Braided 75Ω Flexible RF Coaxial Drop Cable.
 ANSI/SCTE 31 2007: Test Method for Measuring Diameter Over Core.
 ANSI/SCTE 59 2007: Test Method for Drop Cable Center Conductor Bond to Dielectric.
 ANSI/SCTE 108 2006: Test Method for Dielectric Strength Withstand.
 ANSI/SCTE 33 2001: Test Method for Diameter of Drop Cable.
 ANSI/SCTE 51 2007: Test Method for Determining Drop Cable Braid Coverage.
 ANSI/SCTE 44 2005: Test Method for DC Loop Resistance.
 ANSI/SCTE 66 2008: Test Method for Coaxial Cable Impedance.
 ANSI/SCTE 03 1997: Test Method for Coaxial Cable Structural Return Loss.
 ANSI/SCTE 47 2007: Test Method for Coaxial Cable Attenuation
 ANSI/SCTE 09 2001: Test Method for Cold Bend.
 ANSI/SCTE 10 2001: Test Method Flexible Coaxial Cable Impact Test.
 ANSI/SCTE 11 2006: Test Method for Aerial Cable Corrosion Protection Flow.
 ANSI/SCTE 69 2007: Test Method for Moisture Inhibitor Corrosion Resistance.
 ANSI/SCTE 32 2007: Ampacity of Coaxial Telecommunications Cables.
 ANSI/SCTE 49 2007: Test Method for Velocity of Propagation.
 ANSI/SCTE 61 2007: Test Method for Jacket Web Separation.
 ANSI/SCTE 72 2007: Test Method for Insertion Force of Connector to Drop Cable Interface.
 ANSI/SCTE 78 2007: Test Method for Transfer Impedance.
 ANSI/SCTE 88 2007: Test Method for Polyethylene Jacket Longitudinal Shrinkage.
 ANSI/SCTE 108 2006: Test Method for Dielectric Withstand of Coaxial Cable.
 ANSI/UL 1581-1985: Reference Standard for Electrical Wires, Cables and Flexible Cords.
 ASTM B869-96: Specification for Copper-Clad Steel Electrical Conductor for CATV Drop Wire.
 ASTM D1248-02: Specification for Polyethylene Plastics Extrusion Materials for Wire and Cable.
 ASTM D 4565: Physical and Environmental Performance Properties of Insulation and Jackets for Telecommunications Wire and Cable.
 ASTM E8-01e1: Standard Test Methods for Tension Testing of Metallic Materials.
 ASTM A641-92: Zinc Coated (Galvanized) Carbon Steel Wire.

COMBINED CABLE

CONSTRUCTION DATA		RG59 CABLE	KX6A CABLE	RG6 CABLE
Inner Conductor	dia. mm	0.59±1%	7*0.2	1.02±1%
	material	CCS/Copper	Copper	CCS/Copper
Dielectric	material	Solid PE	Solid PE	Foam PE
	dia. mm	3.70	3.70	4.57
Screen				
1. Film Foil Laminate	material	-	-	AL FOIL
2. Braid	material	CCA	CCA	AL
Braid Optical Coverage	dia. mm	7*16/0.12mm	7*16/0.12mm	9*16/0.12mm
Jacket	dia. mm	6.10±0.2	6.10±0.2	6.90±0.2
	material	PVC	PVC	PVC
DC Cable				
Inner Conductor	dia. mm	7*0.37	7*0.37	7*0.40
	material	CCA/Copper	CCA/Copper	CCA/Copper
Dielectric	material	Solid PE	Solid PE	Solid PE
	dia. mm	2.00/1.80	2.00/1.80	2.1
Color Code		Red & Black	Red & Black	Red & Black
Jacket	dia. mm	5.00±0.2	8.50±0.2	5.00±0.2
	material	PVC	PVC	PVC

ELECTRIC PERFORMANCE		RG59 CABLE	KX6A CABLE	RG6 CABLE
Maximum DC Resistance of Inner Conductor (Ω/km)@20°C		63.00 (Ω/1000FT)	63.00 (Ω/1000FT)	21.2 (Ω/1000FT)
Impedance	Ohm	75±3	75±3	75±3
Velocity ratio	%	82	82	82
Attenuation(at 20° C)				
at 5MHz	dB/100m	2.88	2.88	1.90
at 50MHz	dB/100m	9.51	9.51	4.77
at 200MHz	dB/100m	19.55	19.55	9.47
at 211MHz	dB/100m	19.99	19.99	10.00
at 300MHz	dB/100m	24.01	24.01	11.64
at 400MHz	dB/100m	28.11	28.11	13.61
at 450MHz	dB/100m	30.07	30.07	14.43
at 500MHz	dB/100m	32.06	32.06	15.29
at 550MHz	dB/100m	33.50	33.50	16.08
at 600MHz	dB/100m	35.00	35.00	16.73
at 750MHz	dB/100m	40.01	40.01	18.54
at 800MHz	dB/100m	41.03	41.03	19.77
at 860MHz	dB/100m	42.99	42.99	19.80
at 1000MHz	dB/100m	46.50	46.50	21.49
Structural Return Loss(SRL)				
at 5 - 1000MHz		≥20	≥20	≥20
at 1000 - 3000MHz		≥15	≥15	≥15
Dielectric Breakdown		1.5kV A.C 1min	1.5kV A.C 1min	1.5kV A.C 1min
Insulation Resistance		10MΩ xkm	10MΩ xkm	10MΩ xkm
Spark Test		2.5Kv	2.5Kv	2.5Kv
Working Temperature		-40°C~70°C	-40°C~70°C	-40°C~70°C
Standard Packing				
Put-up	mode	ROLL/DRUM	DRUM	ROLL/DRUM
Unit Length	m	100M/305M	300M/500M	100M/305M
Unit Packing Content	m	500M/305M	300M/500M	500M/305M