

RG-59U 4K 12G-SDI

Ultra Low Loss Coax Cable

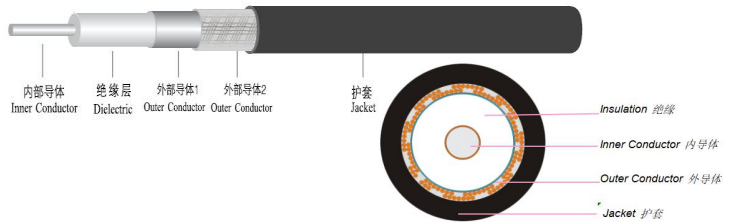
Ver A/0 Release Date Match, 2015



P/N:5313

Features&Benefits

- 80%Vp FPE+Al Bonded Tape+TC shield
- Ultra-low loss, Less cost,Durable
- Equivalent to Belden 4505R
- Replace to RG-59U



Construction Specification

	Description	Size (mm)	Tol.	Materials
1	Center conductor	0.81	±0.02	Stranded Bare Copper
2	Dielectric	3.68	±0.15	Foam PE
3	Outer conductor	1.52	±0.05	Non-Bonded AL/P-Foil
4	Outer shield	1.95	±0.15	Tinned Copper Shields
5	Jacket	5.90	±0.15	PVC black or customize

Mechanical&Environmental Specifications

Bend Radius:installation (mm)	8
Bend Radius:repeated (mm)	30
Max.Pulling Tension (N)	85
Weight (g/m)	15
Temp, Operating&Installation (°C)	-20~+75
Crush resistance of cable (load of 700N)(%)	<1%

RoHS Guideline

Cadmium content (Cd)	<0.01%
Lead content (Pb)	<0.1%
Mercury content (Hg)	<0.1%
Chromium (VI) content	<0.1%
Polybrominated Biphenyls (PBB)	<0.1%
Polybrominated Diphenyl Ether (PBDE)	<0.1%

Electrical Specifications

Characteristic Impedance(ohm)	75±3	Dielectric Strength(V DC)	500
Capacitance(pF/m)	55	Insulation resistance(MΩ·km)	>1000
Velocity ratio(%)	80	Peak Power(KW)	0.5
DCR: Inner Conductor(ohm/km)	<235	Shielding Effectiveness(dB)	>90
DCR: Outer Conductor(ohm/km)	<36	Shields Coverage(%)	95±3
Jacket Sparker(V RMS)	1000	SWR	30-6000 MHz ≤1.25 6000-12000 MHz ≤1.35

Attenuation (Typical@25°C&VSWR=1.0) &Power (VSWR=1.0;40°C;Sea Level)

Frequency MHz	10	100	270	350	540	720	1000	2000	3000	4500	6000	12000
dB/100 m	7.90	22.60	35.50	41.00	50.50	59.00	70.00	101.00	126.00	156.00	175.00	250.00

Maximum attenuation is 10% higher.

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