

Mini RG-59/U 4855R

Ultra Low Loss Coax Cable

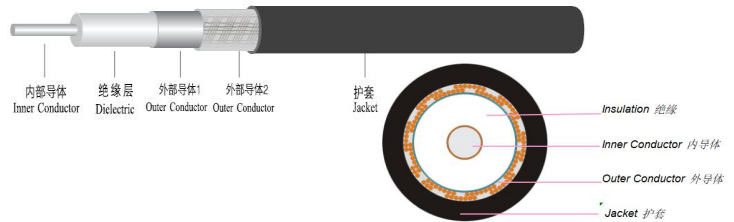
Ver A/0 Release Date March, 2015



P/N:5198

Features&Benefits

- 80%Vp FPE+Al Bonded Tape+TC shield
- Ultra-low loss,4K UHD,12G SDI
- Equivalent to Belden 4855R
- Replace to Mini RG59



Construction Specification

	Description	Size (mm)	Tol.	Materials
1	Center conductor	0.58	±0.02	Stranded Bare Copper
2	Dielectric	2.59	±0.15	Foam PE
3	Outer conductor	2.79	±0.05	Non-Bonded AL/P-Foil
4	Outer shield	3.01	±0.15	Tinned Copper Shields
5	Jacket	4.05	±0.15	PVC black or customize

Mechanical&Environmental Specifications

Bend Radius:installation (mm)	12.78
Bend Radius:repeated (mm)	50
Max.Pulling Tension (N)	245
Weight (g/m)	26
Temp, Operating&Installation (°C)	-40~+85
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)	50±2	Dielectric Strength(V DC)	1000
Capacitance(pF/m)	78	Insulation resistance(MΩ·km)	>500
Velocity ratio(%)	84	Peak Power(KW)	0.3
DCR: Inner Conductor(ohm/km)	<17.6	Shielding Effectiveness(dB)	>90
DCR: Outer Conductor(ohm/km)	<16.1	Shields Coverage(%)	95±3
Jacket Sparker(V RMS)	3000	SWR 30-2500 MHz	>23

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

Frequency MHz	10	88.5	100	270	540	720	1000	2000	3000	4500	6000	12000
dB/100 m	3.66	9.81	10.33	16.58	23.93	27.71	32.92	46.63	57.91	71.93	84.43	125.58

Maximum attenuation is 10% higher.

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