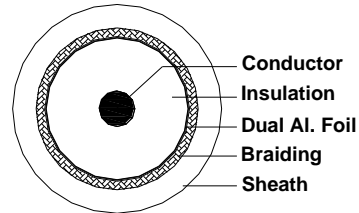


C2010106311(TEM0130-2015) (RG59U/H125A/LS)
Fire Retardant 75ohm Coaxial Cable RG59 19AWG, LSHF Sheath



DESCRIPTION

19AWG Solid PACW, Foam PE Insulation, Dual Al. Foil, TACW Braiding 70% Coverage, LSHF Sheath.

APPLICATION

For CATV/MATV, Broadband, HDTV and Satellite Broadcasting Transmission use.

APPLICABLE STANDARD

- EU RoHS Complies 2011/65/EU
- BS EN 50117-2-1
- Halogen Content Test : IEC 60754-2
- Smoke Density : IEC 61034-2
- Flame Retardant : IEC 60332-1-2

CONSTRUCTION

Conductor

| | |
|----------------|----------------------------|
| Material : | Plain Annealed Copper Wire |
| Size : | 19AWG |
| Construction : | Solid (1/1.0mm) |

Insulation

| | |
|---------------|---------|
| Material : | Foam PE |
| Nominal O.D : | 4.8mm |

Shielding

| | |
|------------|------------------------------|
| Material : | Dual Al. Foil, 100% Coverage |
|------------|------------------------------|

All values subject to factory tolerances.

Samson tries to ensure accuracy at the time of issue and reserves the right to change the data of the products without notice.

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C2010106311(TEM0130-2015) (RG59U/H125A/LS)
Fire Retardant 75ohm Coaxial Cable RG59 19AWG, LSHF Sheath

Braiding

Material : TACW, 70% Coverage

Sheath

Material : DW9023C LSHF

Nominal O.D : 6.8mm

Color : Black

PHYSICAL PROPERTIES

Operating Temperature (Flexing) -25°C to 90°C

Operating Temperature (Fixed) -40°C to 90°C

Min. Bend Radius 68mm

Sheath Printing Samson EN 50117-2-1 20 Coaxial Cable Class A "Mmark" #Batch

ELECTRICAL PROPERTIES

Voltage Rating 30V

Nom. Inner Conductor DC Resistance @20°C 23.0Ω/km

Nom. Outer Conductor DC Resistance @20°C 18.0Ω/km

Min. Insulation Resistance 10000MΩ.km

Voltage test : Core to Shielding 1500V a.c/1min

Nom. Characteristic Impedance 75±3Ω

Nom. Capacitance 54±2pF/m

Screening Class A

Screening attenuation ≥85dB (30MHz~1000MHz)

Transfer Impedance ≤ 5mΩ/m (5MHz~30MHz)

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Return Loss $\geq 23\text{dB}$ (5MHz~470MHz)
 $\geq 20\text{dB}$ (470MHz~862MHz)
 $\geq 18\text{dB}$ (862MHz~2150MHz)

Attenuation (dB/100m)

| | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|
| (MHz) | 5 | 50 | 100 | 230 | 400 | 800 |
| (dB) | 1.98 | 5.17 | 7.15 | 10.78 | 14.19 | 20.46 |
| (MHz) | 862 | 1000 | 1350 | 1750 | 2150 | 2400 |
| (dB) | 21.23 | 22.99 | 27.06 | 31.24 | 35.09 | 37.4 |

All values subject to factory tolerances.

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