



Product: [8241LS](#) 

8241LS - 75 Ohm Analog Video Coax, RG-59, 23 AWG Solid BCCS, 95% BC Braid, LSZH-C Jkt, SWA, LSZH-C Jkt

Product Description

75 Ohm Analog Video Coax, RG-59, 23 AWG Solid Bare Copper Covered Steel Conductor , PE Insulation, 95% Bare Copper Braid Shield, LSZH Inner Jacket, Steel Wire Armored, LSZH Outer Jacket. IEC 60332-3-24.

Technical Specifications

Product Overview

Suitable Applications:	Standard analog video
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Construction Details

RG Type:	59
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Conductor

No. of Elements	Size	Stranding	Material
1	23 AWG	Solid	BCCS - Bare Copper Covered Steel

Insulation

Material	Nom. Insulation Diameter
PE - Polyethylene	3.71 mm (0.146 in)

Inner Shield

Shield Type	Material	Coverage
Braid	Bare Copper (BC)	95%

Inner Jacket

Material	Nom. Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	6.1 mm (0.24 in)

Armor

Armor Type & Material	Armor Thickness	Coverage
SWA - Steel Wire Armor	0.9 mm (0.035 in)	Min. 95%

Outer Jacket

Material	Nom. Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	10.5 mm (0.413 in)

Electrical Characteristics

Attenuation

Frequency	Nom. Attenuation
1 MHz	1.97 dB/100m
10 MHz	3.01 dB/100m
50 MHz	3.61 dB/100m
100 MHz	7.87 dB/100m
200 MHz	11.15 dB/100m
400 MHz	16.08 dB/100m
700 MHz	22.97 dB/100m

900 MHz	36.42 dB/100m
1000 MHz	39.37 dB/100m

Electricals

Nom. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.
160.8 Ohm/km	8.2 Ohm/km (2.5 Ohm/1000ft)	66.9 pF/m (20.4 pF/ft)	75 Ohm	84%

Voltage

Voltage Rating
1700 V RMS

Mechanical Characteristics

Temperature

Operating	Installation	Storage
-45°C To +80°C	-15°C To +50°C	-45°C To +80°C

Bend Radius

Stationary Min.
157.5 mm (6.201 in)

Bulk Cable Weight:	226 kg/km
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Standards and Compliance

Environmental Suitability:	Indoor, Sunlight Resistance, Oil Resistance - IEC 60811-404
Flammability / Reaction to Fire:	IEC 60332-3-24
CEC / C(UL) Compliance:	.
CENELEC Compliance:	EN 50290-2-20
European Halogen Free Standards:	IEC 62821-1 Halogen Free Compliance = Yes, IEC 60754-1 - Halogen Amount = Zero, IEC 60754-2 - Halogen Acid Gas Amount - Max. Conductivity = 2.5 µS/mm, IEC 60754-2 - Halogen Acid Gas Amount - Min. pH = 4.3, IEC 61034-2 - Smoke Density Min. Transmittance = 60%

History

Update and Revision:	Revision Number: 0.280 Revision Date: 02-20-2026
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