

RG6 Quad Shield Outdoor

18AWG • Quad Shielded • Direct Burial Rated
UV Resistant • 3GHz • Solid Copper

Packaging Available

- 500ft Reel
- 1000ft Reel

Jacket Colors

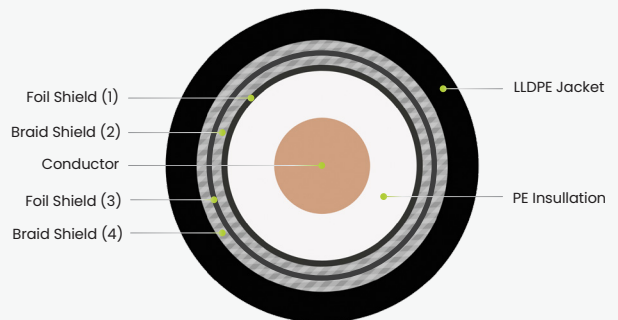


Key Features

- Quad Shielded - 60% + 40% AL Wire Braiding & Dual-Layer 100% AL Bonded Foil Shielding
- 18AWG Solid Bare Copper Conductor
- ANSI/TIA Certified to 568.4-D CATV RG6 @ 150ft.
- Direct Burial Rated & UV Resistant
- Sweep Tested up to 3GHz
- RoHS-3 Compliant
- cETLus Certified

Technical Data

Insulation	Foam PE	Conductor	Solid Bare Copper
Average Thickness (mm)	1.84	Size	18AWG
Layers of Shielding	4	Conductor Dia. ($\pm 0.008\text{mm}$)	1.02
Insulation Dia. ($\pm 0.2\text{mm}$)	4.70	Shield	Quad Shield
		1 - Bonded Aluminum Foil	100%
		2 - Aluminum Braid	60%
		3 - Aluminum/PET/Aluminum-Foil	100%
		4 - Aluminum Braid	40%
Jacket	LLDPE		
Average Thickness (mm)	0.77		
Min. Point Thickness (mm)	0.7		
Overall Diameter ($\pm 0.2\text{mm}$)	7.4		



Operating & Storage Temp.	-40°C to 75°C / -40°F to 167°F
Installation Temp.	-20°C to 75°C / -4°F to 167°F
Max. Operating Voltage	300v
Min. Bend Radius	4.5cm / 2.0in
Max. Installation Tension	178N / 40lbf

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Performance

Frequency (MHz)	Attenuation (dB/100ft)	Attenuation (dB/100m)	Return Loss (dB)
50	1.034	3.392	34.352
200	2.077	6.813	29.733
700	4.545	14.913	28.204
1000	5.702	18.707	32.647
1450	6.921	22.706	28.274
2200	9.227	30.271	28.422
2500	9.997	32.800	28.062
3000	10.487	34.407	32.034

Electrical Characteristics

Nominal Capacitance	15.6 pF/ft	Product Rating	UL / CSA
Nominal Impedance	75±3 Ω	Flammability Test	N/A
DC Loop Resistance @ 68° F	13.2 Ω/1000 ft	NVP	84%
Center Conductor DC Resistance @ 68° F	6.6 Ω/1000 ft	Jacket Spark Test Voltage AC	3000V

Mechanical Characteristics

Before Aging Tensile Strength (Mpa)	>15.0
Elongation (%)	>500

Print Legend

RG6/U QUAD SHIELD CMX, SOLID COPPER, 75 Ω



Cable ID: 6QSCMXBCWHT 08/21 JACKET DATE

Test Limit: TIA 568C.4 CATV RG6

Limits Version: V7.6

Date / Time: 11/04/2021 01:57:39 PM

Operator: DON S

Cable Type: RG-6/U (75 Ohms)

NVP: 84.0%

Main: Versiv

S/N: 1924100

Software Version: V6.6 Build 2

Calibration Date: 11/14/2020

Adapter: DSX-8000 (DSX-CHA003)

S/N: 4995368

Test Summary: PASS

Remote: Versiv

S/N: 1917273

Software Version: V6.6 Build 2

Calibration Date: 11/14/2020

Adapter: DSX-8000R (DSX-CHA003)

S/N: 4995379

Impedance (ohms), Limit 67-83	77
Length (ft), Limit 151	150
Prop. Delay (ns)	182
Resistance (ohms)	1.02
HDTDR (%), Limit +/-15.0	-10.1
Insertion Loss (dB)	10.4
Frequency (MHz)	1000.0
Limit (dB)	11.2
Margin (dB)	0.8

