



Product specification

HUGHES 195 SERIES LSZH



Description

Hughes 195 series, 50 Ohm braided coaxial, black LSZH jacket

Specification

Cable Construction	
Jacket Colour	Black
Inner Conductor Material	Copper
Dielectric Material	Physical Foam Polyethylene PE
Outer Conductor Material	Bonded aluminium/polyester/aluminium tape + TC Wire Braiding
Outer Conductor Coverage	90%
Jacket Material	LSZH
Dimensions	
Inner Conductor	0.94 ± 0.02mm
Dielectric	2.80 ± 0.10mm
Shields	3.50 ± 0.15 mm
Jacket	4.95 ± 0.15 mm
Electrical Specifications	
Capacitance	82 Pf/m
Impedance	50 ± 2 Ω
Velocity	80.0%
Insulation Resistance	>5000 MΩ.km
Cut-off Frequency	41GHz
Withstanding Voltage (AC)	1.0 KV
Sparkover Voltage	3.0 KV
Peak Power Rating	3.21 KW
Screen Efficiency	≥ 90dB

The facts and figures contained herein are carefully compiled to the best of our knowledge, but they are intended for general informative purposes only and are subject to change

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VSWR			
800-1000MHz		≤ 1.15	
1700-2000MHz		≤ 1.20	
2000-2400MHz		≤ 1.25	
3000-4000MHz		≤ 1.25	
Attenuation			
Frequency (MHz)	Attenuation (dB/100m)	Frequency (MHz)	Attenuation (db/100m)
100	11.9	2200	58.3
150	14.6	2500	62.4
220	17.7	2800	65.3
450	25.5	3000	67.5
900	36.5	3500	74.7
1200	42.4	4000	80.2
1500	47.7	4500	85.5
1800	52.5	5000	90.5
1900	54	6000	99.9
2000	55.4		
*Maximum attenuation value shall be 110% of the nominal attenuation value			
Environmental and Mechanical Specifications			
Operating Temperature Range		-40°C ~+ 85°C	
Minimum Single Bending Radius		15mm	
Minimum Bending Temperature		-15°C	
Additional Information			
Testing conditions	VSWR 1.0, the cable temperature 20°C, environment temperature 40°C, inner conductor temperature 100°C		
Packaging	500m Drum, ø390* ø150* ø190mm		

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