



Product specification

HUGHES 240 SERIES LSZH



Description

Hughes 240 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	1.42 ± 0.02mm
Dielectric	3.81 ± 0.10mm
Shields	4.50 ± 0.15 mm
Jacket	6.10 ± 0.15 mm
Electrical Specifications	
Capacitance	78 Pf/m
Impedance	50 ± 2 Ω
Velocity	85.0%
Insulation Resistance	>5000 MΩ.km
Cut-off Frequency	31GHz
Withstanding Voltage (AC)	1.5 KV
Sparkover Voltage	5.0 KV
Peak Power Rating	5.52 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	8	2200	39.5
150	9.9	2500	42.4
220	12	2800	44.8
450	17.3	3000	46.5
900	24.8	3500	50.8
1200	28.7	4000	54.6
1500	32.4	4500	58.1
1800	35.6	5000	61.6
1900	36.5	6000	68
2000	37.7		
*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		20mm	
Minimum Bending Temperature		-15°C	
Additional Information			
Standard conditions	VSWR 1.0, the cable temperature 20°C, environment temperature 40°C, inner conductor temperature 100°C		
Packaging	500m Drum, Ø 440*Ø 150*Ø 230mm		

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