

HFC Technics - CableMax

RG6 SERIES DROP CABLE (80%)

Datasheet



Mechanical Performance				
Parameter		Specifications		
Centre Conductor Type		Copper clad steel conductor		
Centre conductor outer diameter		1.02 mm		
Conductivity of the centre conductor		Greater than 21% IACS		
Centre conductor surface finish		Smooth and clean with no evidence of irregularities, damage, corrosion or discoloration to the copper surface.		
Dielectric material		Gas Injected Foamed Polyethylene.		
Diameter over dielectric		4.57 mm		
First Shield (TAPE)		AL/P Bonded foil		
Second shield braid wires		aluminium wires.		
Diameter of the second shield braid wires		0.12		
Braid coverage of the second shield		Nom. 80%		
Third shield (TAPE)		AL/P Non-Bonded foil		
Jacket material		RoHS Polyvinylchloride (RoHS PVC.)		
jacket Diameter (Cable OD)		7.0mm±0.2mm		
Messenger (Optional)	material	Steel		
	Diameter	1.30mm		
Environmental Specification				
Temperature Rating		-20°C to +70°C.		
Electrical Performance (20°C)				
Parameter		Specifications		
Impedance		75Ω ± 3Ω		
SRL		better than 20dB from 5 MHz to 1000 MHz		
Nom. Attenuation@ 20°C	Frequency (MHz)	Attenuation (dB/100m)	Frequency (MHz)	Attenuation (dB/100m)
	5	2.7	400	13.61
	55	5.25	450	14.43
	211	10.00	500	15.29
	250	10.84	550	16.08
	270	11.04	600	16.73
	300	11.64	750	18.54
	330	12.26	870	20.04
	350	12.63	1000	21.49
Nominal Velocity of Propagation		82%		
Conductor Resistance		The Maximum DC 102.0Ω/km @ 20°C		
Dielectric Breakdown (voltage Withstand)		AC 1000V		
Spark Test		AC 2.5KV		

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