



Hyperline Systems Canada Ltd.

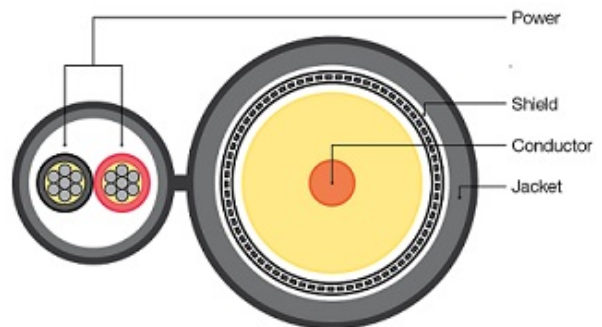
TECHNICAL DATA SHEET		
Part #	COAX-RG59-CU-SIAMESE-CMR-XX-305	
Construction :		
Item	specification & Design	Diameter
		mm
Coax Conductor	Material : Bare Copper	0.81±0.01
	Single Diameter : 0.81	
	Composing : 1/0.81	
Insulation	Material : Foam polyethylene	3.70±0.10
	Nominal thickness : 1.44mm	
Shield	Braid : Bare covered aluminum wire	4.34±0.15
	Structure : 16*7*0.16mm±0.008	
	Coverage braid : 95%±2	
18AWG/2C	Material : Bare copper wire	1.14±0.01
	Single Diameter : 0.38±0.01	
	Composing : 7/0.38	
Insulation	Material : PVC	1.80±0.10
	Nominal thickness : 0.33mm	
	Color : Black and Red	
COMBO CABLE	Material : PVC	(6.10*4.85)±0.20
	Nominal thickness : 0.85mm(coaxial)	
	Nominal thickness : 0.60mm(18AWG/2C)	
	Color : Black or White	
Packaging	1000FT/drum or 500FT/box	
Jacket Marking	HYPERLINE COAX-RG59/CU-SIAMESE-CM 4003289 c(ETL)us CM FT1---RG59/U+18/2 95% BRAID COVERAGE RoHS COMPLIANT LOT NUMBER XX/YY XXXXFT	

## TECHNICAL DATA SHEET

Electrical Performance (20°C)

Item		Parameter	Note
Inner Conductor DC resistance		$\leq 35.7\Omega/\text{km}$	coax cable
Inner Conductor DC resistance		$\leq 23.0\Omega/\text{km}$	18AWG/2C
Insulation resistance		$\geq 5000\text{M}\Omega\cdot\text{km}$	
Capacity		$54\pm 3\text{pF}/\text{m}$	
Characteristic Impedance 200MHz		$75\pm 3\Omega$	
Attenuation dB/100m	Frequency	Nom.	
	55MHz	7.55	
	500MHz	24.42	
	800MHz	31.60	
	1000MHz	35.92	
Return Loss	50~300MHz	$\geq 20\text{dB}$	
	300~1000MHz	$\geq 18\text{dB}$	

Structure drawing:



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