Cables & Connectors

Low Loss Double Shielded Cable

09/02/2017 v4



SR1-029-B (CS29)

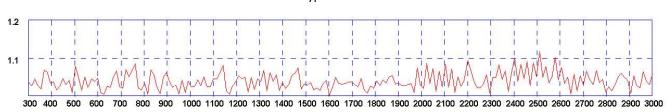
Ultra low loss double shielded cable

Panorama Antenna's CS29 cable is a high quality double shielded 5mm (0.2") Ø cable. CS29 offers both copper braid and aluminium foil shielding which significantly reduces signal attenuation especially at higher frequencies. The stranded copper centre conductor and cellular polyethene dielectric ensure that this cable offers excellent flexibility.

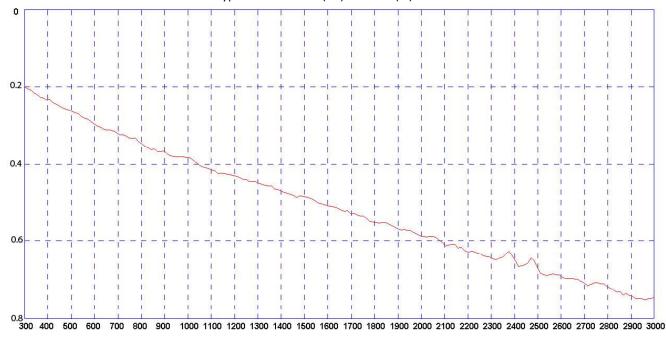
 $\ensuremath{\mathsf{CS29}}$ is an ideal choice for cellular, WLAN and other applications up to 3GHz.

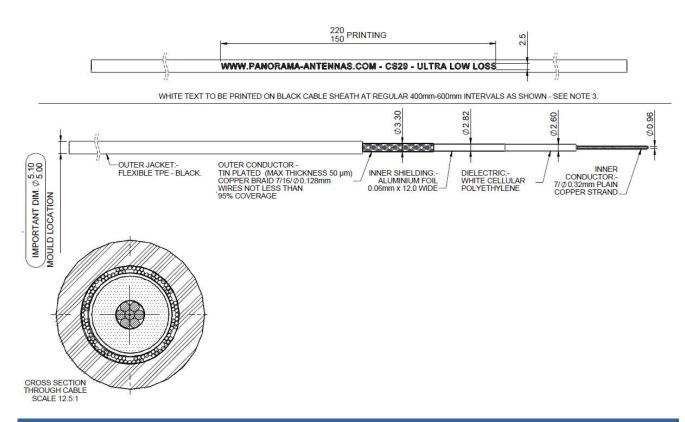
Electrical Data

Typical VSWR



Typical attenuation (dB) over 1m (3') of cable





SR1-029-8	Part No.			
Typical Attenuation 50Ω ± 4Ω at 2GHz 2.2dB per 10m at 400MHz 4dB per 10m at 1GHz 4dB per 10m at 2GHz Braid Resistance Less than 160mΩ per 10m Shielding Effectiveness < 95dB according to IEC 61196-1 at 400MHz			SR1-029-B	
Typical Attenuation Parid Resistance Braid Resistance Material Colour Diameter (mm) Material Tin Plated Copper Braid No less that 95% Diameter (mm) Material Aluminium foil Diameter (mm) Diameter (mm) Diameter (mm) Assay (0.11") Material Material Material Miter Coverage Diameter (mm) Material Aluminium foil Diameter (mm) Diameter (mm) Diameter (mm) Assay (0.11") Material White Cellular Polyethylene Diameter (mm) Diameter (mm) Auterial Material Material Plain Copper Strand Diameter (mm) Diameter (mm) Diameter (mm) Diameter (mm) Diameter (mm) Auterial White Cellular Polyethylene Diameter (mm) Diameter (mm) Ogerating Temp (°C) -40°/+80°C (-40°/176°F)	Impedance			
Shielding Effectiveness <-95dB according to IEC 61196-1 at 400MHz TPE Outer Jacket Colour Black Diameter (mm) 5.0 (0.20") Material Tin Plated Copper Braid Outer Conductor Wire Coverage No less that 95% Diameter (mm) 3.3 (0.12") Material Aluminium foil Diameter (mm) 2.82 (0.11") Material White Cellular Polyethylene Diameter (mm) 2.6 (0.10") Material Plain Copper Strand Diameter (mm) 0.96 (0.04") Operating Temp (*C) -40"/+80" C (-40"/176"F)	Typical Attenuation		4dB per 10m at 1GHz	
Outer Jacket Material TPE Outer Jacket Colour Black Diameter (mm) 5.0 (0.20") Outer Conductor Material Tin Plated Copper Braid Wire Coverage No less that 95% Diameter (mm) 3.3 (0.12") Material Aluminium foil Diameter (mm) 2.82 (0.11") Diameter (mm) 2.82 (0.11") Diameter (mm) 2.6 (0.10") Diameter (mm) 0.96 (0.04") Operating Temp (°C) -40"/+80"C (-40"/176°F)	Braid Resistance		Less than 160m Ω per 10m	
Outer Jacket Colour Black Diameter (mm) 5.0 (0.20") Material Tin Plated Copper Braid Wire Coverage No less that 95% Diameter (mm) 3.3 (0.12") Material Aluminium foil Diameter (mm) 2.82 (0.11") Diameter (mm) 2.6 (0.10") Diameter (mm) 2.6 (0.10") Diameter (mm) 0.96 (0.04") Operating Temp (°C) -40"/+80°C (-40"/176°F)	Shielding Effectiveness		<-95dB according to IEC 61196-1 at 400MHz	
Diameter (mm) 5.0 (0.20") Material Tin Plated Copper Braid Voice Coverage No less that 95% Diameter (mm) 3.3 (0.12") Material Aluminium foil Diameter (mm) 2.82 (0.11") Diameter (mm) 2.82 (0.11") Material White Cellular Polyethylene Diameter (mm) 2.6 (0.10") Material Plain Copper Strand Diameter (mm) 0.96 (0.04") Operating Temp (°C) -40°/+80°C (-40°/176°F)	Outer Jacket	Material	TPE	
Outer Conductor Material Tin Plated Copper Braid Wire Coverage No less that 95% Diameter (mm) 3.3 (0.12") Inner Shielding Material Diameter (mm) 2.82 (0.11") Dielectric Diameter (mm) 2.6 (0.10") Diameter (mm) 2.6 (0.10") Diameter (mm) 0.96 (0.04") Operating Temp (°C) -40°/+80°C (-40°/176°F)		Colour	Black	
Outer Conductor Wire Coverage No less that 95% Diameter (mm) 3.3 (0.12") Inner Shielding Material Aluminium foil Diameter (mm) 2.82 (0.11") Material White Cellular Polyethylene Diameter (mm) 2.6 (0.10") Inner Conductor Material Plain Copper Strand Diameter (mm) 0.96 (0.04") Operating Temp (°C) -40°/+80°C (-40°/176°F)		Diameter (mm)	5.0 (0.20")	
Diameter (mm) 3.3 (0.12")	Outer Conductor	Material	Tin Plated Copper Braid	
Inner Shielding Material Aluminium foil Diameter (mm) 2.82 (0.11") Dielectric Material White Cellular Polyethylene Diameter (mm) 2.6 (0.10") Inner Conductor Material Plain Copper Strand Diameter (mm) 0.96 (0.04") Operating Temp (°C) -40°/+80°C (-40°/176°F)		Wire Coverage	No less that 95%	
Inner Shielding Diameter (mm) 2.82 (0.11") Dielectric Material White Cellular Polyethylene Diameter (mm) 2.6 (0.10") Inner Conductor Material Plain Copper Strand Diameter (mm) 0.96 (0.04") Operating Temp (°C) -40°/+80°C (-40°/176°F)		Diameter (mm)	3.3 (0.12")	
Diameter (mm) 2.82 (0.11") Material White Cellular Polyethylene Diameter (mm) 2.6 (0.10") Material Plain Copper Strand Diameter (mm) 0.96 (0.04") Operating Temp (°C) -40°/+80°C (-40°/176°F)	Inner Shielding	Material	Aluminium foil	
Dielectric Diameter (mm) 2.6 (0.10") Inner Conductor Material Plain Copper Strand Diameter (mm) 0.96 (0.04") Operating Temp (°C) -40°/+80°C (-40°/176°F)		Diameter (mm)	2.82 (0.11")	
Diameter (mm) 2.6 (0.10") Inner Conductor Material Plain Copper Strand Diameter (mm) 0.96 (0.04") Operating Temp (°C) -40°/+80°C (-40°/176°F)	Dielectric	Material	White Cellular Polyethylene	
Inner Conductor Diameter (mm) 0.96 (0.04") Operating Temp (°C) -40°/+80°C (-40°/176°F)		Diameter (mm)	2.6 (0.10")	
Diameter (mm) 0.96 (0.04") Operating Temp (°C) -40°/+80°C (-40°/176°F)	Inner Conductor	Material	Plain Copper Strand	
		Diameter (mm)	0.96 (0.04")	
Volkers With stand	Operating Temp (°C)		-40°/+80°C (-40°/176°F)	
voitage witnstand 1000 VDC	Voltage Withstand		1000 VDC	
Jacket Spark 3000 V RMS	Jacket Spark		3000 V RMS	



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