## Cables & Connectors

### Low Loss Double Shielded Cable

09/02/2017 v4



# SR1-029-B (CS29)

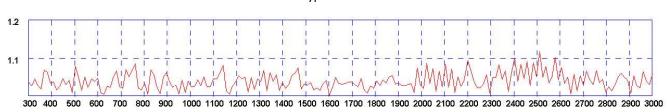
#### Ultra low loss double shielded cable

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.

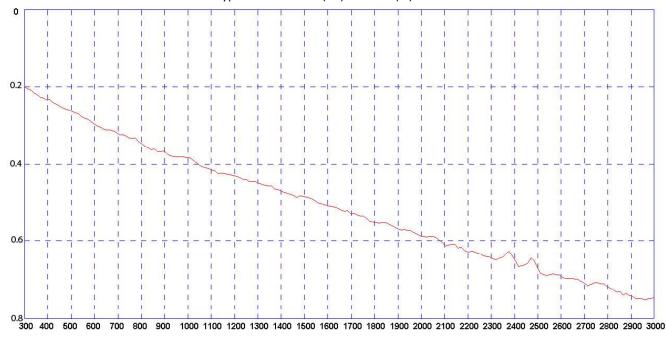
 $\ensuremath{\mathsf{CS29}}$  is an ideal choice for cellular, WLAN and other applications up to 3GHz.

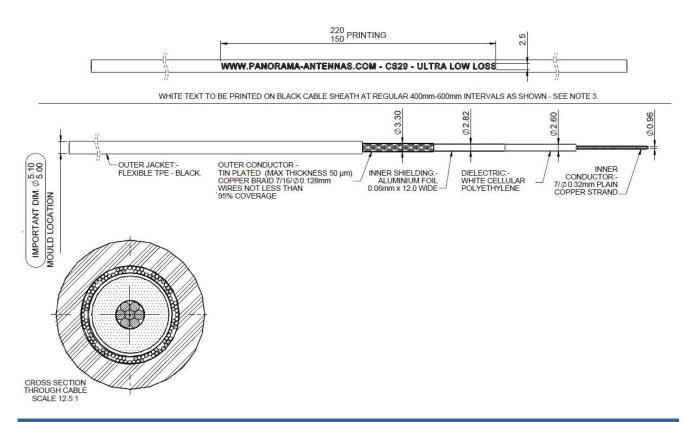
#### **Electrical Data**

#### 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 $\Omega$ 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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