

# Cables & Connectors

## Flame Retardant Halogen Free Double Shielded Cable

08/01/20 v7



### SR1-029-FRZH-B (Flame retardant CS29)

Ultra low loss double shielded cable for cellular frequencies  
Zero halogen UV stabilised flame retardant outer jacket

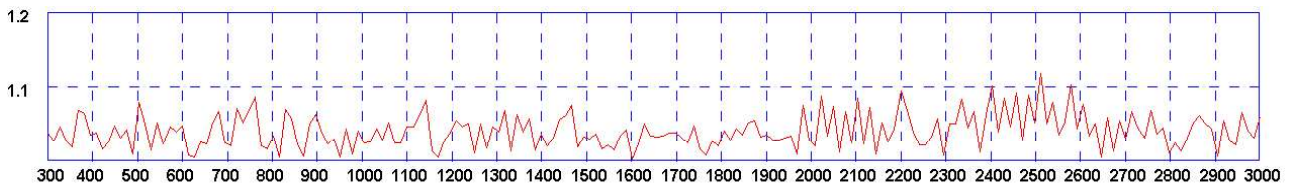
Panorama Antennas' CS29 cable is a high quality double shielded 5mm(0.2")  $\varnothing$  cable. CS29 offers both copper braid and aluminium foil shielding which significantly reduces signal attenuation especially at higher frequencies. The stranded copper centre conductor and cellular polyethylene dielectric ensures that the cable offers excellent flexibility.

CS29 is an ideal choice for VHF, UHF, cellular, WLAN and other applications up to 3GHz.

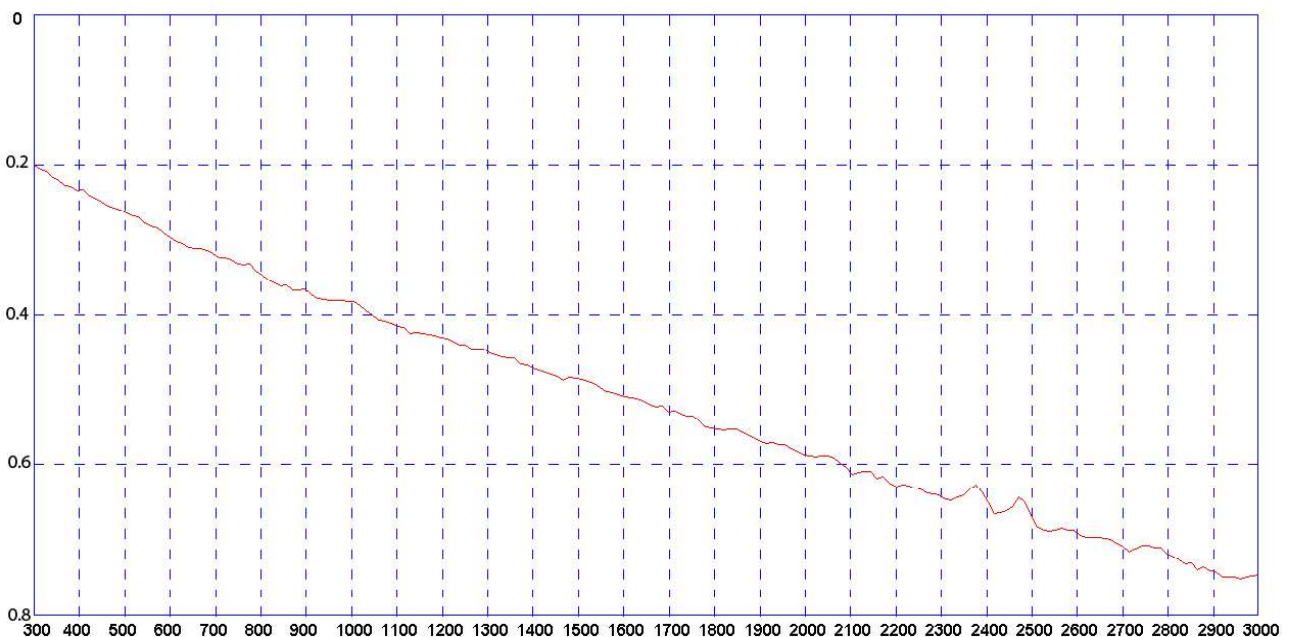
The FRZH range of cables are supplied with a flame retardant halogen free jacket for safety critical applications

#### Electrical Data

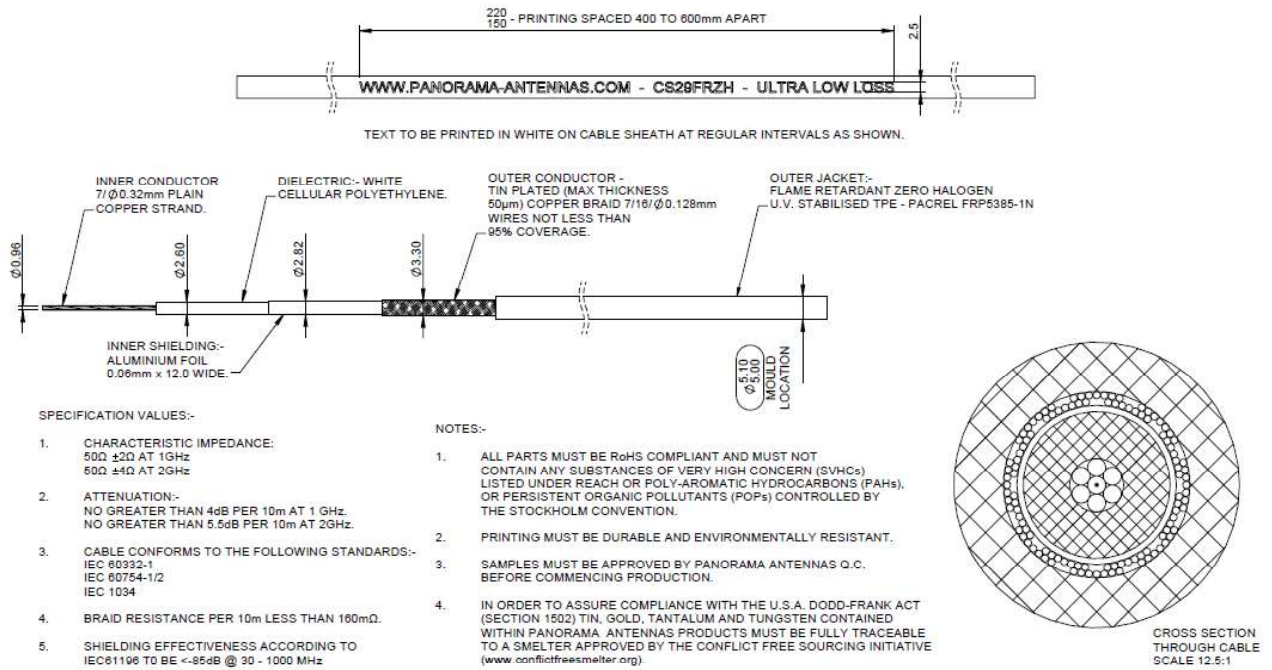
#### Typical VSWR



#### Attenuation per m of cable



## Technical Drawing



### Part No.

SR1-029-FRZH-B

### Impedance

50Ω ± 2Ω at 1GHz  
50Ω ± 4Ω at 2GHz

### Loss No Greater Than

2.2dB per 10m at 400MHz  
4dB per 10m at 1GHz  
5.5dB per 10m at 2GHz

### Braid Resistance

Less than 160mΩ per 10m

### Shielding Effectiveness

<-95dB according to IEC 61196-1 at 400MHz

Outer Jacket	Material	UV Stabilised Flame Retardant Flexible Thermoplastic
	Colour	Black
	Diameter (mm)	5.10 (0.2")
Outer Conductor	Material	Tin plated Copper Braid
	Wire Coverage	No less than 95%
	Diameter (mm)	3.3 (0.12")
Inner Shielding	Material	Aluminium foil
	Diameter (mm)	2.82 (0.11")
Dielectric	Material	White Cellular Polythene
	Diameter (mm)	2.60 (0.10")
Inner Conductor	Material	Plain Copper Strand
	Diameter (mm)	0.96 (0.03")
Minimum Bend Radius (mm)		25
Operating Temp (°C)		-35°/+80°C (-31°/176°F)
Flame Retardance Specifications		ECE 118.01 paragraph 6.2.5 (according to EN 6722:2006 paragraph 12)
Voltage Withstand		1000 VDC
Jacket Spark		3000 V RMS



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Waiver: The data given above is indicative of the performance of the product/s under particular conditions and does not imply a guarantee of performance.

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