

# Cables & Connectors

## Flame Retardant Halogen Free Double Shielded Cable

09/02/17 v6



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

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

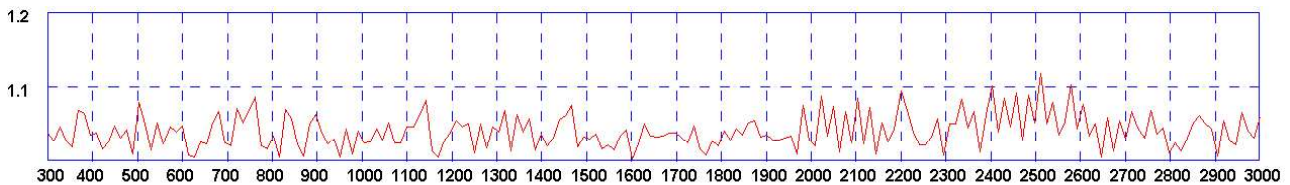
Panorama Antennas' CS29 cable is a high quality double shielded 5mm(0.2")  $\varnothing$  cable. CS29 offers both copper braid and aluminium foil shielding which significantly reduces signal attenuation especially at higher frequencies. The stranded copper centre conductor and cellular polyethylene dielectric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

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

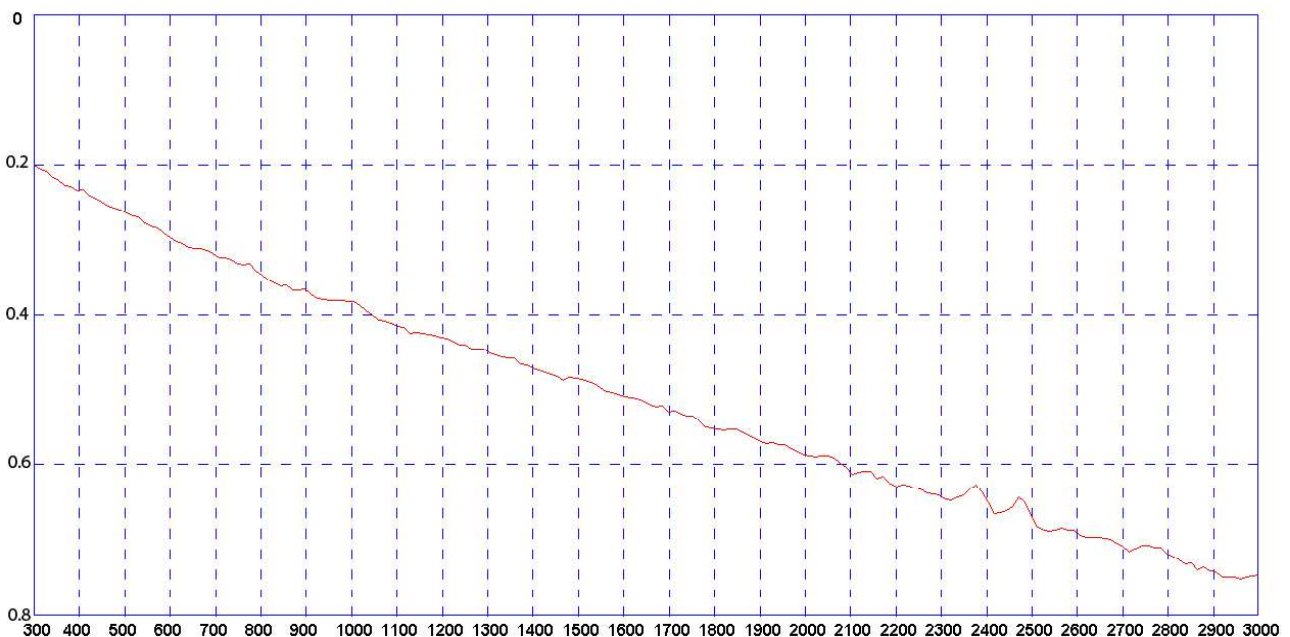
The FRZH range of cables are supplied with a flame retardant halogen free jacket for safety critical applications

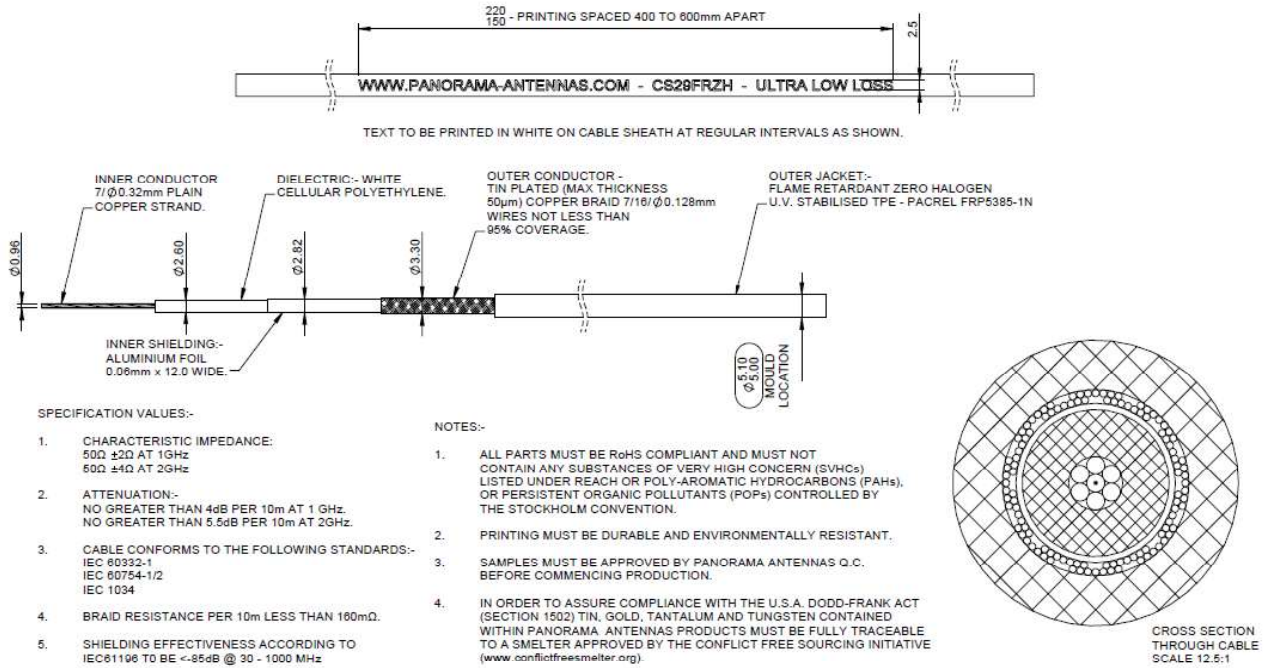
#### Electrical Data

Typical VSWR



Attenuation per m of cable





Part No.

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")
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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