

Cables & Connectors

Flame Retardant Ultra Low Loss Twin Cable

07/04/2016 v2

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



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

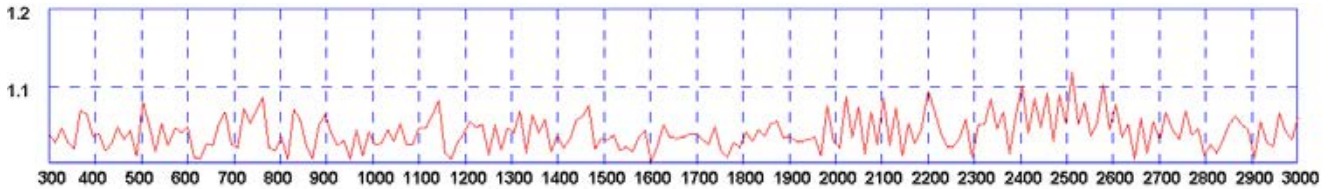
Panorama Antenna's CS29 cable is a high quality double shielded 5mm Ø cable. CS29 offers both copper braid and aluminium foil shielding which significantly reduces signal attenuation especially at higher frequency. The stranded copper centre conductor and cellular polyethylene dielectric ensures that offers excellent flexibility.

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

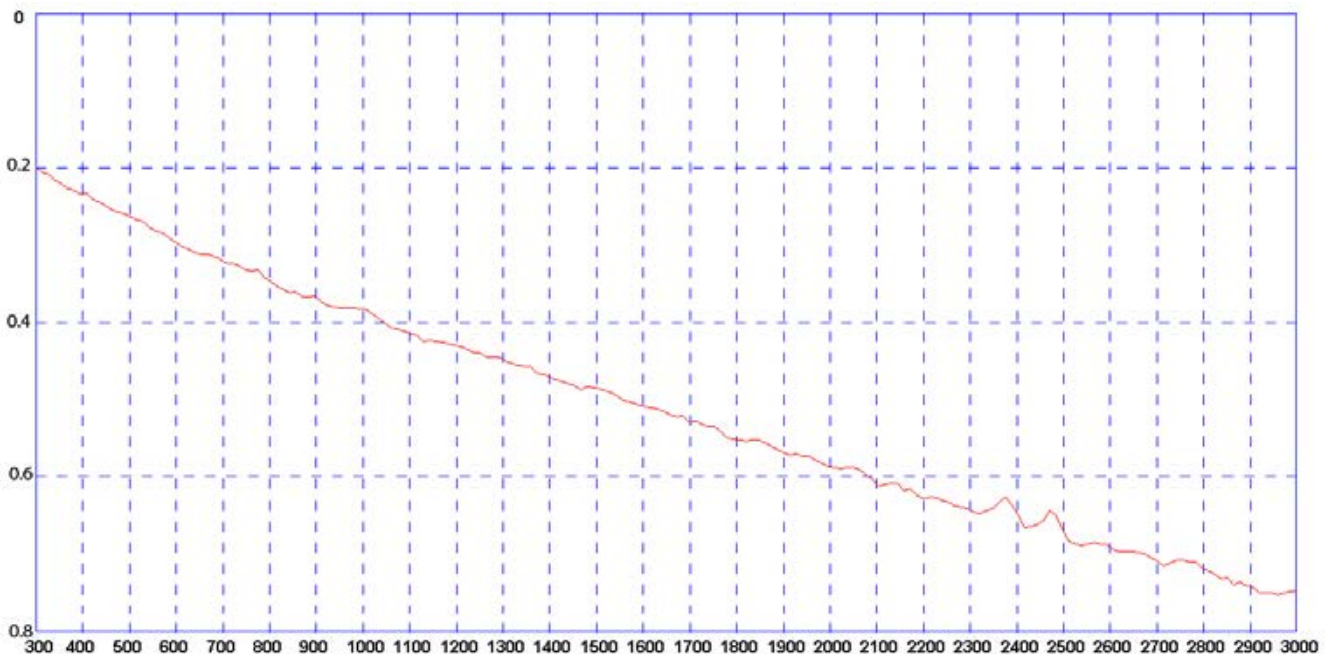
The FRZH range of cables are supplied with a flame retardant halogen free jacket for safety critical applications.

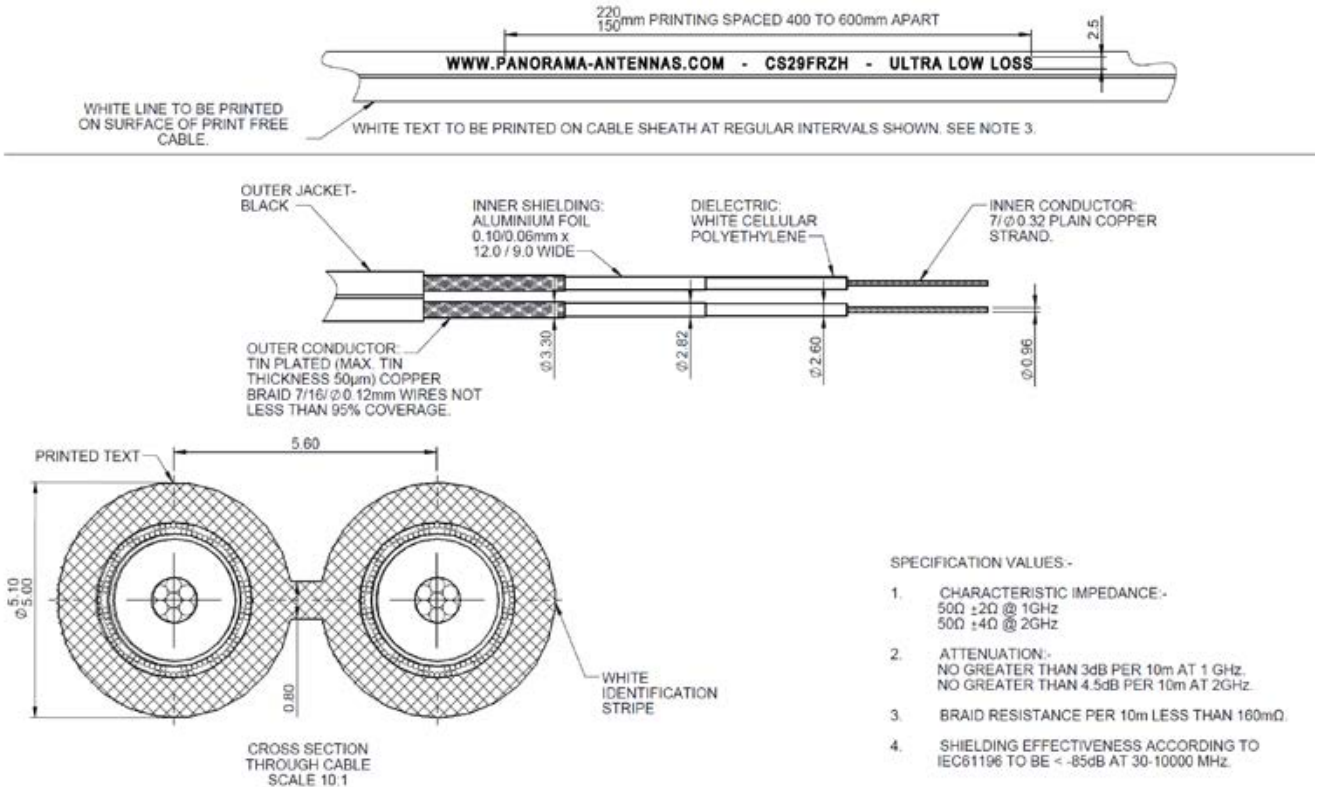
Electrical Data

Typical VSWR



Attenuation per m of cable





Part No.		SR1-029-FRZH-B-T
Impedance		50Ω ± 2Ω at 1GHz 50Ω ± 4Ω at 2GHz
Loss No Greater Than		2.3dB per 10m at 400MHz 3.8dB per 10m at 1GHz 5.8dB per 10m at 2GHz
Braid Resistance		Less than 160mΩ per 10m
Shielding Effectiveness		>85dB according to IEC 61196-1
Velocity Factor		75%
Outer Jacket	Material	UV Stabilised Flame Retardant Flexible Thermoplastic
	Colour	Black
	Diameter (mm)	5.10 (0.20")
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)
Voltage Breakdown (Jacket)		>3Kv