

Cables & Connectors

Ultra Low Loss Cable

24/05/2013 v2



SR1-008-DS (CS29)

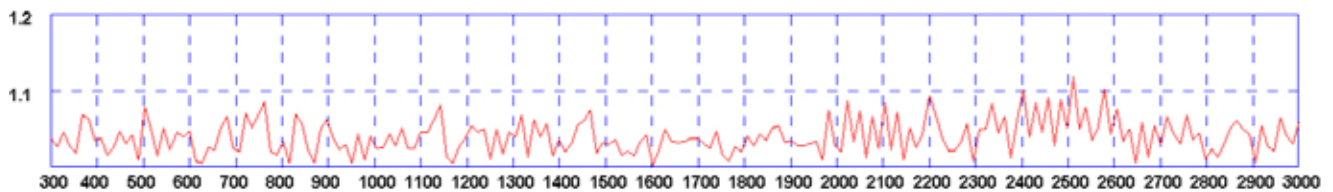
Ultra low loss double shielded cable for cellular frequencies

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.

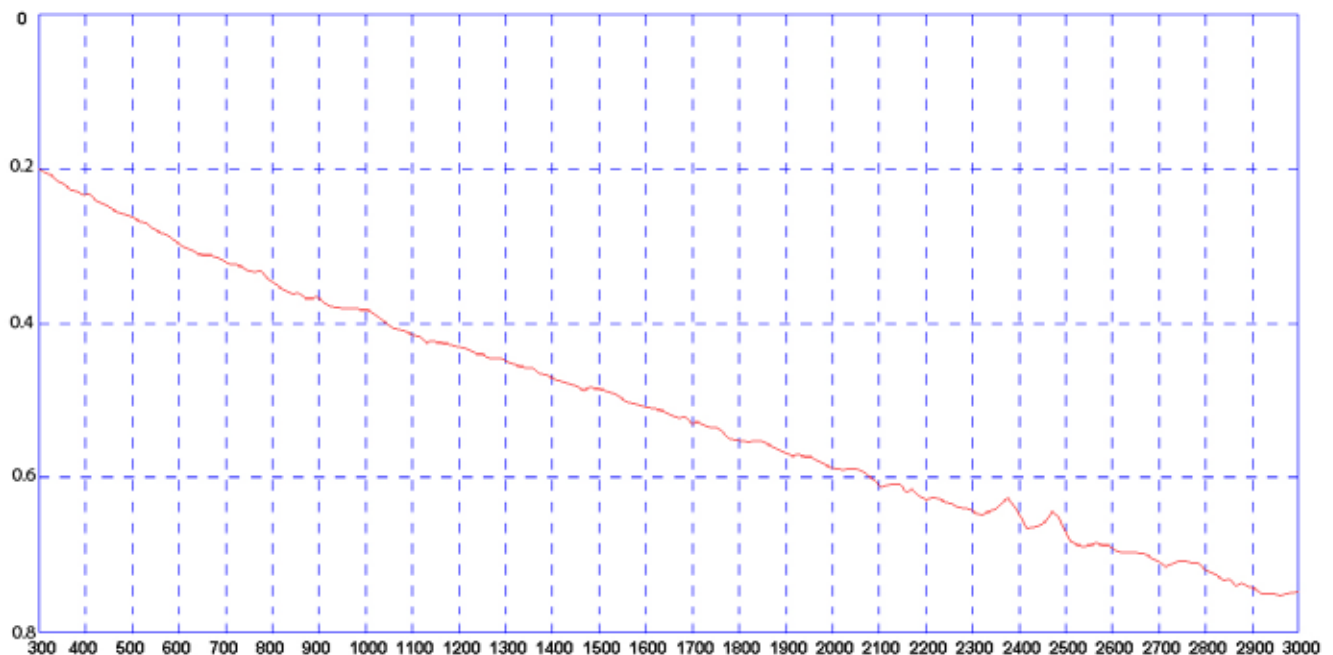
CS29 is an ideal choice for cellular, WLAN and other applications up to 3GHz.

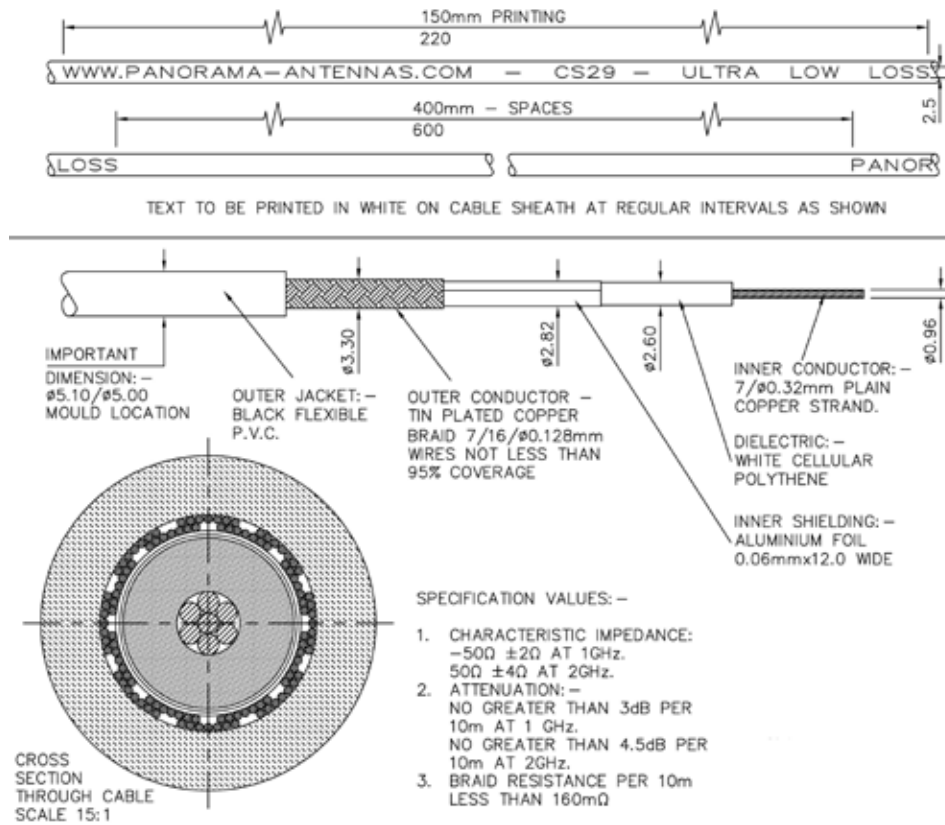
Electrical Data

Typical VSWR



Attenuation per m of cable





Part No.	
SR1-008-DS	
Impedance	$50\Omega \pm 2\Omega$ at 1GHz $50\Omega \pm 4\Omega$ 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 150m Ω per 10m
Velocity Factor	65%
Outer Jacket	Material: UV Stabilised 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 (0.13")
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 (0.04")
Operating Temp (°C)	-35° / +80°C (-31° / 176°F)
Flame Retardance Specifications	IEC 60332-1 / IEC 60754-1/2 / IEC 1034
Voltage Breakdown (Jacket)	>3Kv