

Cables & Connectors

Twin Ultra Low Loss Double Shielded Cable

01/04/2016 v3



SR1-029-B-T

(CS29)

Ultra low loss double shielded cable

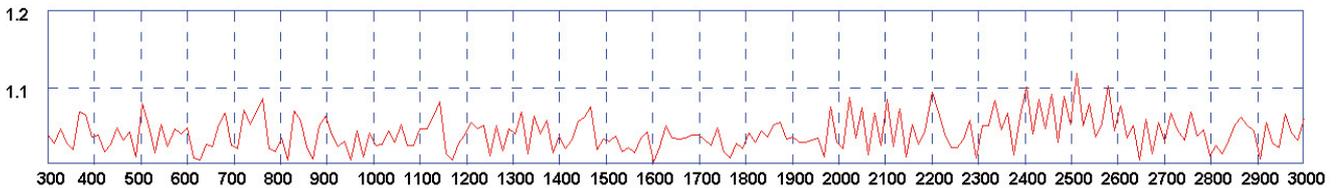
Panorama Antenna's CS29 cable is a high quality double shielded 5mm (0.2") \varnothing cable. CS29 offers both copper braid and aluminium foil shielding which significantly reduces signal attenuation especially at higher frequency. The stranded copper centre conductor and cellular polyethylene dielectric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

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

Twinax cable combines two cables into one and so is ideal for MiMo & diversity applications

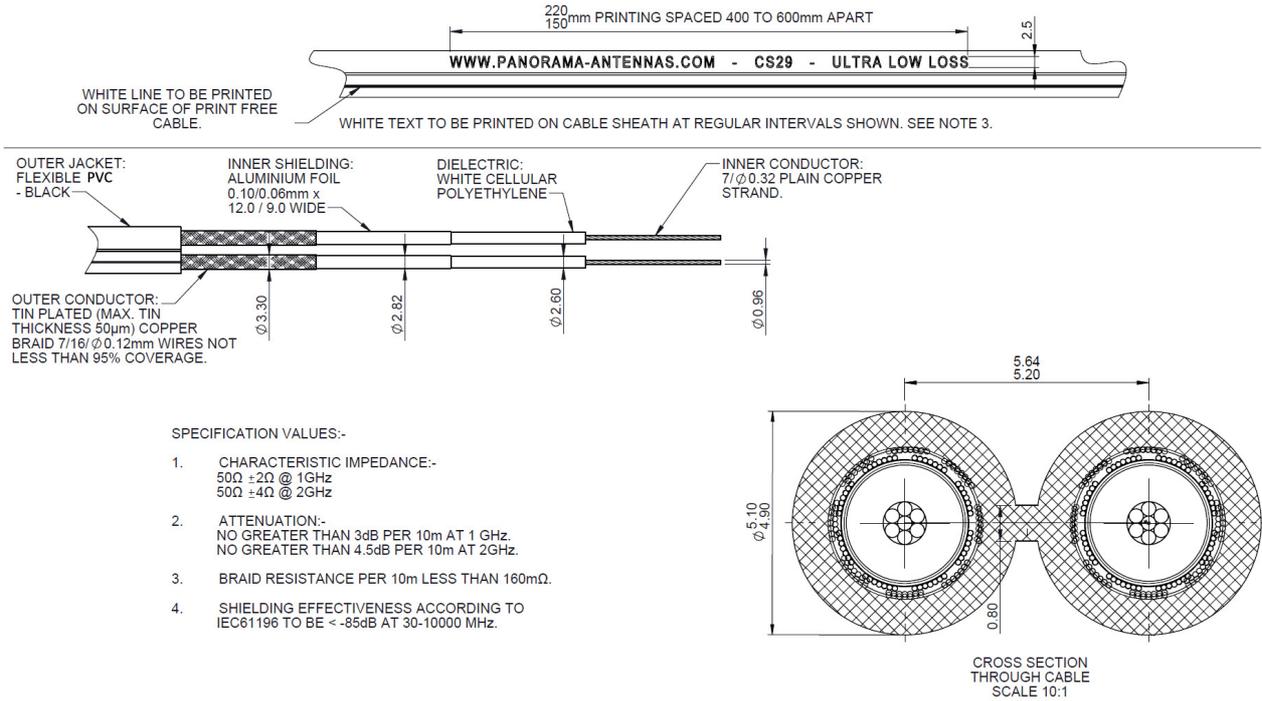
Electrical Data

Typical VSWR



Attenuation dB per m of cable





Part No.

SR1-029-B-T

Impedance

50Ω ± 2Ω at 1GHz
50Ω ± 4Ω at 2GHz

Loss No Greater Than

2.5dB per 10m at 400MHz
3dB per 10m at 1GHz
4.5dB per 10m at 2GHz

Braid Resistance

Less than 160mΩ per 10m

Shielding Effectiveness

< 85dB according to IEC 61196-1

Velocity Factor

65%

Outer Jacket

Material

PVC

Colour

Black

Diameter (mm)

5.0 (0.20")

Outer Conductor

Material

Tin Plated

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 Polyethylene

Diameter (mm)

2.6 (0.12")

Inner Conductor

Material

Plain Copper Strand

Diameter (mm)

0.96 (0.03")

Operating Temp (°C)

-40° / +80°C (-40° / 176°F)