

Cables & Connectors

Ultra Low Loss Cable

24/05/2013 v2



SR1-008-DS (CS29)

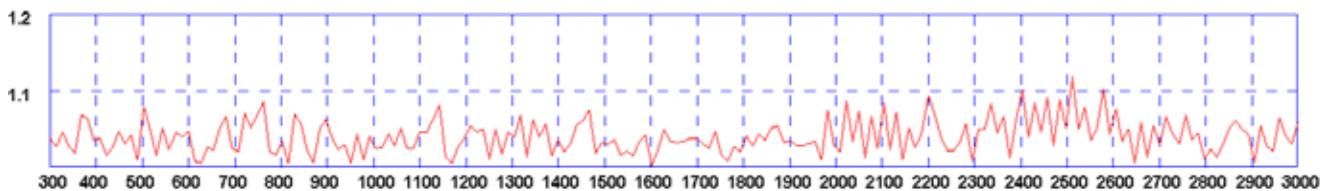
Ultra low loss double shielded cable for cellular frequencies

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 polyethene dielectric ensures that offers excellent flexibility.

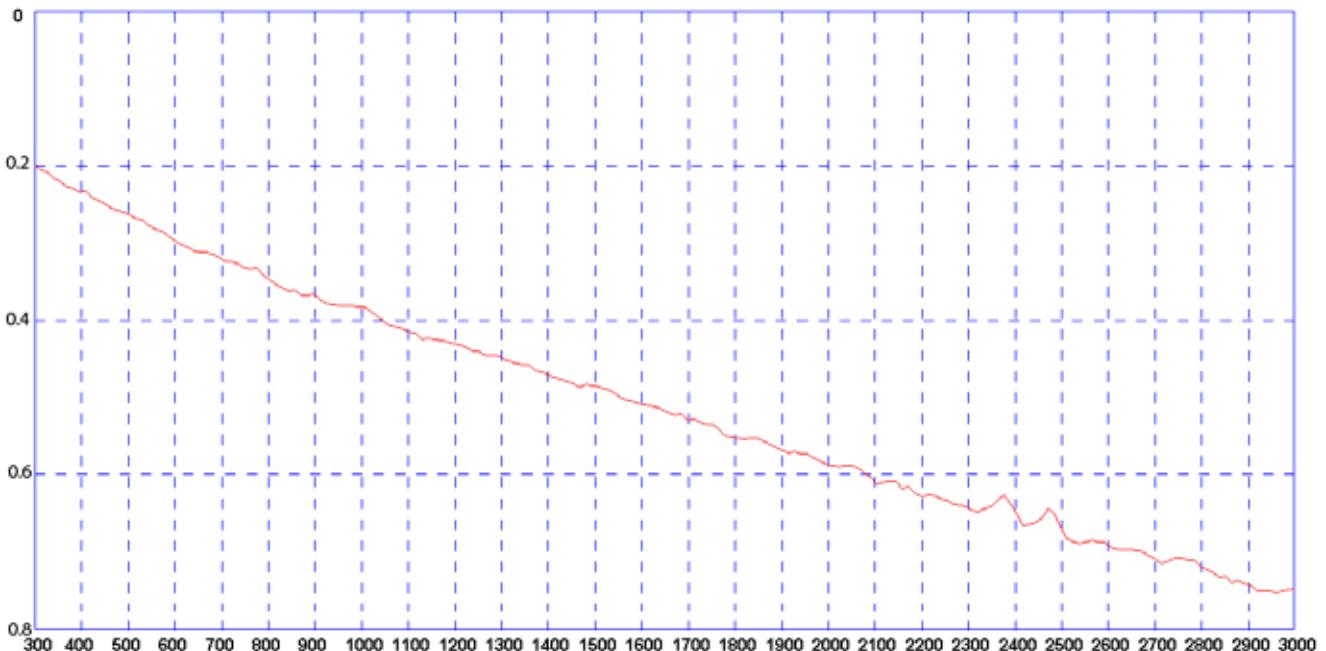
CS29 is an ideal choice for cellular, WLAN and other applications up to 3GHz.

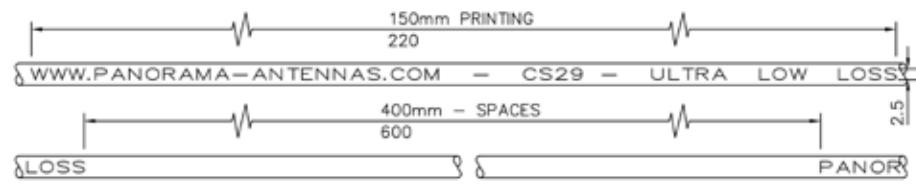
Electrical Data

Typical VSWR

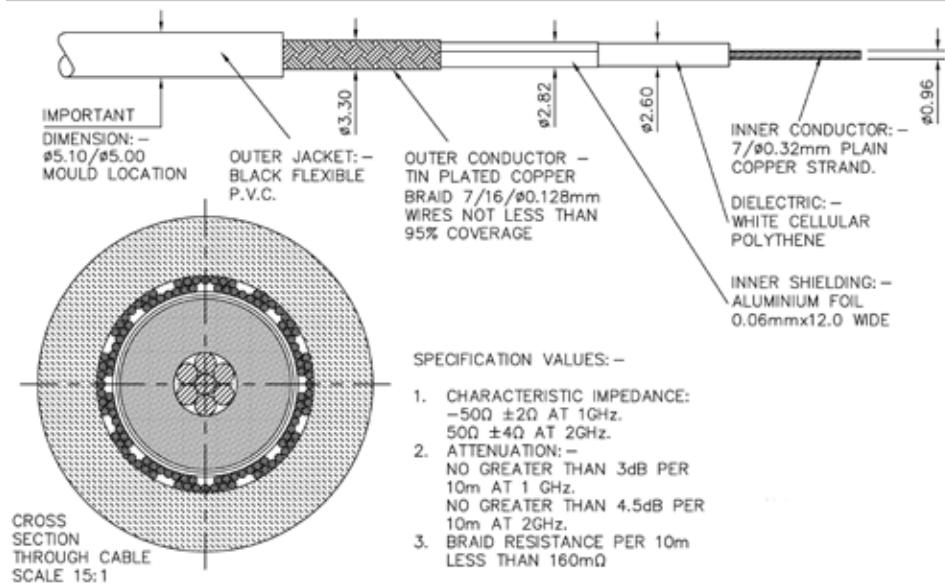


Attenuation per m of cable





TEXT TO BE PRINTED IN WHITE ON CABLE SHEATH AT REGULAR INTERVALS AS SHOWN

CROSS SECTION THROUGH CABLE
SCALE 15:1

SPECIFICATION VALUES: -

1. CHARACTERISTIC IMPEDANCE:
- $50\Omega \pm 2\Omega$ AT 1GHz.
- $50\Omega \pm 4\Omega$ AT 2GHz.
2. ATTENUATION: -
NO GREATER THAN 3dB PER
10m AT 1 GHz.
NO GREATER THAN 4.5dB PER
10m AT 2GHz.
3. BRAID RESISTANCE PER 10m
LESS THAN $160m\Omega$

Part No.

SR1-008-DS

Impedance	$50\Omega \pm 2\Omega$ at 1GHz $50\Omega \pm 4\Omega$ at 2GHz
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Loss No Greater Than	2.3dB per 10m at 400MHz 3.8dB per 10m at 1GHz 5.8dB per 10m at 2GHz
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Braid Resistance	Less than $150m\Omega$ per 10m
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Velocity Factor	65%
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Outer Jacket	Material	UV Stabilised Flexible Thermoplastic
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Outer Jacket	Colour	Black
Outer Jacket	Diameter (mm)	5.10 (0.20")

Outer Conductor	Material	Tin plated Copper Braid
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Outer Conductor	Wire Coverage	No less than 95%
Outer Conductor	Diameter (mm)	3.3 (0.13")

Inner Shielding	Material	Aluminium foil
Inner Shielding	Diameter (mm)	2.82 (0.11")

Dielectric	Material	White Cellular Polythene
Dielectric	Diameter (mm)	2.60 (0.10")

Inner Conductor	Material	Plain Copper Strand
Inner Conductor	Diameter (mm)	0.96 (0.04")

Operating Temp (°C)	-35° / +80°C (-31° / 176°F)
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Flame Retardance Specifications	IEC 60332-1 / IEC 60754-1/2 / IEC 1034
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Voltage Breakdown (Jacket)	>3kV
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PANORAMA  **ANTENNAS**

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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. These specifications are subject to change without notice. Copyright © Panorama Antennas Ltd. All rights reserved.

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