

Cables & Connectors

Low Smoke Zero Halogen Low Loss Cable

07/04/2016 v4



SR1-023-FRZH-B

(Flame retardant/halogen free CS23)

Low loss cable

Flame retardant/low smoke/halogen free

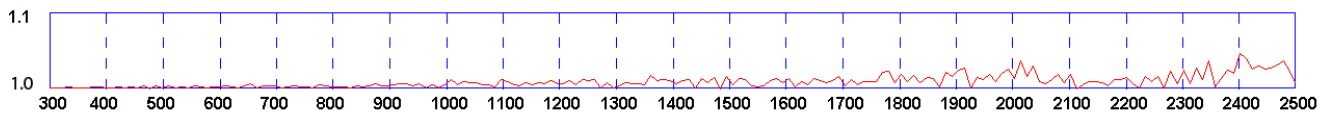
Panorama Antennas CS23 cable is a high quality alternative to standard RG58 cable. The outer braided copper shield and high quality polyethene dielectric ensures that the cable offers very low loss at frequencies up to 2GHz and the braided copper centre conductor ensures that the cable offers optimised flexibility for vehicle applications.

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

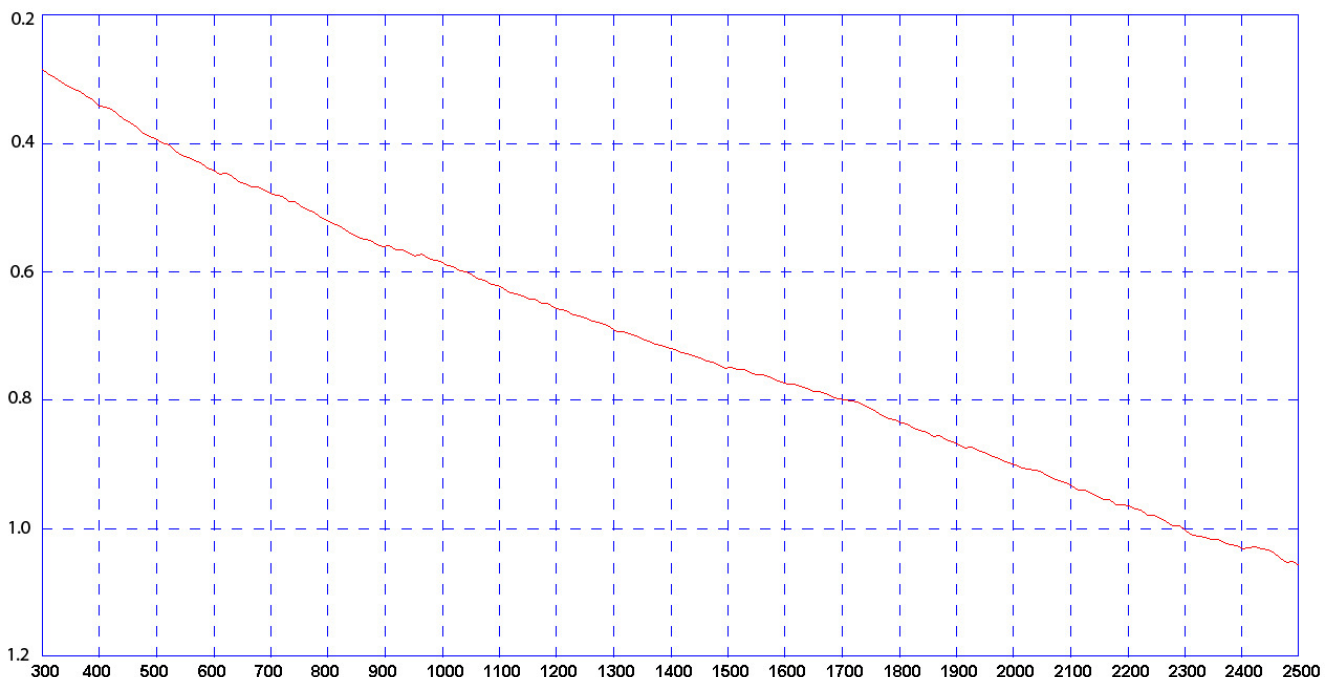
The CS23 cable is compatible with standard RG58 connectors

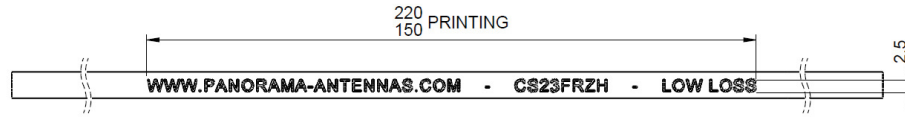
Electrical Data

Typical VSWR

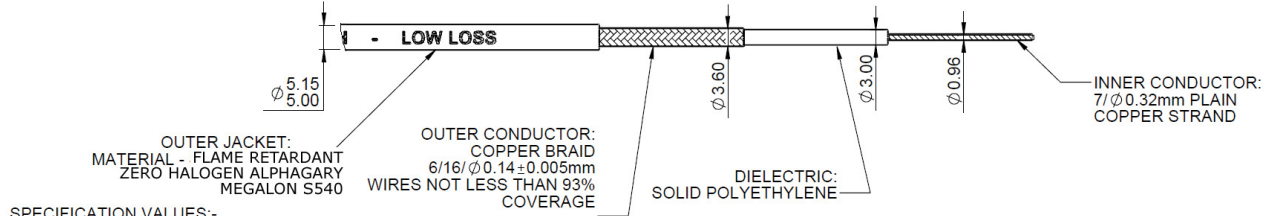


Attenuation per m of cable



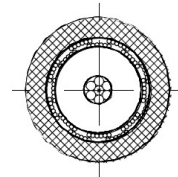


WHITE TEXT AS SHOWN TO BE PRINTED ON BLACK CABLE SHEATH AT 400-600mm INTERVALS.



SPECIFICATION VALUES:-

1. CHARACTERISTIC IMPEDANCE:-
50Ω ±2Ω @ 1GHz
50Ω ±4Ω @ 2GHz
2. ATTENUATION:-
NO GREATER THAN 5dB PER 10m AT 1 GHz.
NO GREATER THAN 7.5dB PER 10m AT 2GHz.
3. CABLE TO CONFORM TO THE FOLLOWING STANDARDS :-
IEC 60332-1
IEC 60754-1/2
IEC 1034
4. BRAID RESISTANCE PER 10m LESS THAN 150mΩ.
5. SHIELDING EFFECTIVENESS ACCORDING TO IEC61196 TO BE < -55dB AT 30-10000 MHz.



CROSS SECTION THROUGH CABLE SCALE 6:1

Part No.		SR1-023-FRZH-B
Impedance		50Ω ± 2Ω at 1GHz 50Ω ± 4Ω at 2GHz
Loss No Greater Than		3dB per 10m at 400MHz 5.8dB per 10m at 1GHz 9dB per 10m at 2GHz
Braid Resistance		Less than 150mΩ per 10m
Shielding Effectiveness		<-55dB according to IEC 61196-1
Velocity Factor		65%
Outer Jacket	Material	UV Stabilised Black Flexible TPE
	Colour	Black
	Diameter (mm)	5 (0.20")
Outer Conductor	Material	Copper Braid
	Wire Coverage	No less than 93%
	Diameter (mm)	3.6 (0.14")
Dielectric	Material	Solid polyethylene
	Diameter (mm)	3.0 (0.12")
Inner Conductor	Material	Plain Copper Strand
	Diameter (mm)	0.96 (0.04")
Operating Temp (°C)		-40° / +80°C (-40° / 176°F)