Flame Retardant CS32

SR1-032-FRZH-G

PANORAMA ANTENNAS

Flame Retardant Halogen-Free Ultra Low Loss Cable

• Ultra Low Loss, Double-Shielded Solid Core Cable

• Zero Halogen, UV stabilised, Flame Retardant Jacket

• EN45545-2 Compliant
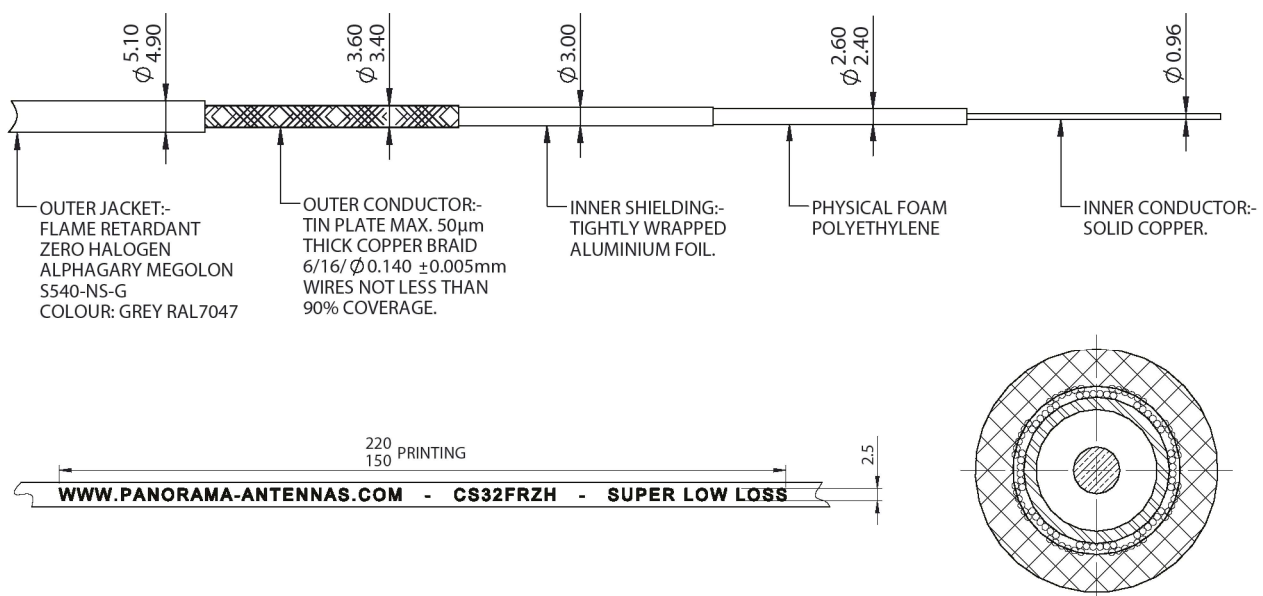
• ECE R118.03 Compliant

Panorama Antennas CS32 cable is an ultra low loss double shielded solid core cable suitable for applications up to 6GHz.

This cable features two layers of shielding, braided copper and aluminium foil to ensure minimal attenuation.

CS32 cable comes with flame retardant zero halogen jacketing as standard and is compatible with standard connectors for RG58 / 5mm cable.

The FRZH range of cables are supplied with a flame retardant halogen free jacket for safety critical applications, certified to ECE R118.03 as well as being compliant with EN6722 and EN45545-2.

Technical Drawing

Ø 5.10 / 4.90

OUTER JACKET:-
FLAME RETARDANT
ZERO HALOGEN
ALPHAGARY MEGOLON
S540-NS-G
COLOUR: GREY RAL7047

Ø 3.60 / 3.40

OUTER CONDUCTOR:-
TIN PLATE MAX. 50μm
THICK COPPER BRAID
6/16/ Ø 0.140 ±0.005mm
WIRES NOT LESS THAN
90% COVERAGE.

Ø 3.00

INNER SHIELDING:-
TIGHTLY WRAPPED
ALUMINIUM FOIL.

Ø 2.60 / 2.40

PHYSICAL FOAM
POLYETHYLENE

Ø 0.96

INNER CONDUCTOR:-
SOLID COPPER.

220 / 150 PRINTING

2.5

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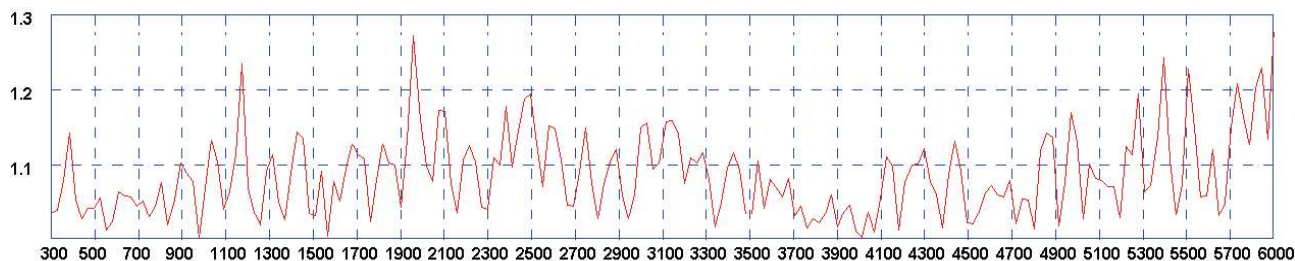## SR1-032-FRZH-G

Part No.		SR1-032-FRZH-G
Impedance		50Ω ± 2Ω at 1GHz 50Ω ± 4Ω at 2GHz
Typical Attenuation		2.5dB per 10m at 400MHz 4dB per 10m at 1GHz 5.8dB per 10m at 2GHz 11dB per 10m at 6GHz
Braid Resistance		Less than 150mΩ per 10m
Shielding Effectiveness		< -95dB According to IEC 61196-1 @ 400MHz
Outer Jacket	Material	UV Stabilised Flexible Megalon S540
	Colour	Grey RAL 7047
	Diameter	5.0mm (0.19")
Outer Conductor	Material	Tin Plated Copper Braid
	Wire Coverage	No Less Than 90%
	Diameter	3.5mm (0.13")
Inner Shielding	Material	Aluminium Foil
	Diameter	3.0mm (0.11")
Dielectric	Material	Foam Polyethene
	Diameter	2.6mm (0.10")
Inner Conductor	Material	Solid Copper
	Diameter	0.95mm (0.03")
Operating Temp.		-30° / +80°C (-22° / 176°F)
Flame Retardance Specifications		ECE 118.03 (E11*118R03/00*1305*00) / EN 6722:2006 §12 / EN 45545-2 : HL3
Voltage Withstand		1000VDC
Jacket Spark		3000 V RMS
Min Bend Radius (mm)		One Time 25 (1") / Repeated 50 (2")

Electrical Data

Typical VSWR*

Typical Attenuation dB per m of Cable*