

Cables & Connectors

Ultra Low Loss 10mm Cable

31/07/2014 v5

SR1-400 (10mm ultra low loss cable)

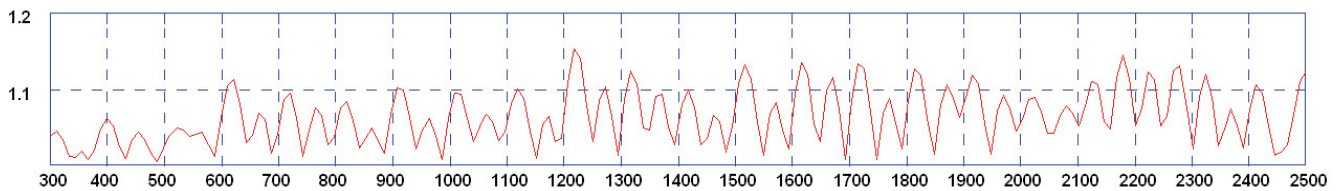
Ultra low loss cable



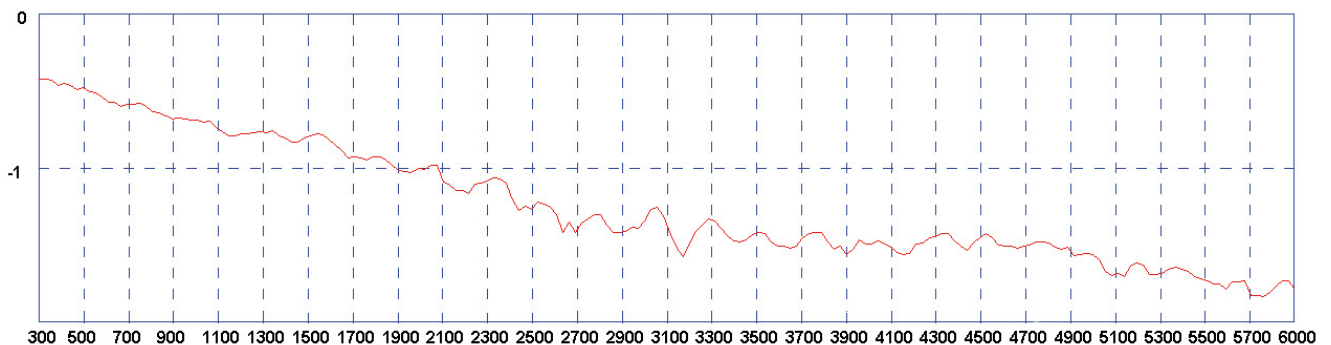
Panorama Antennas' C400 cable is designed for long cable runs and demanding applications. This 10mm (0.39") cable offers unparalleled attenuation performance.

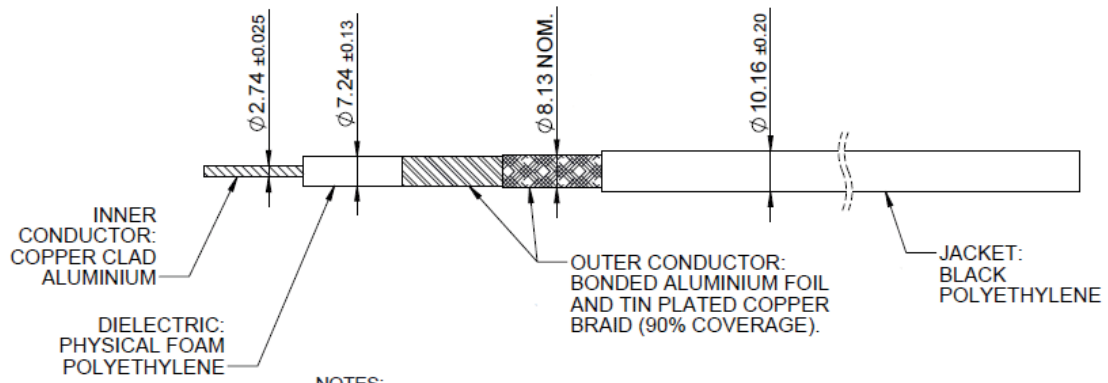
Electrical Data

Typical VSWR



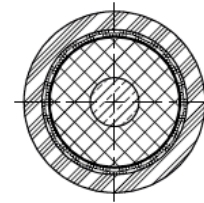
Attenuation dB per 5m of cable





NOTES:-

1. ALL PARTS MUST BE RoHS COMPLIANT AND MUST NOT CONTAIN ANY SUBSTANCES OF VERY HIGH CONCERN (SVHCs) LISTED UNDER REACH OR POLY-AROMATIC HYDROCARBONS (PAHs), OR PERSISTENT ORGANIC POLLUTANTS (POPs) CONTROLLED BY THE STOCKHOLM CONVENTION.
2. CABLE SHEATH TO BE BLACK, UV STABLE POLYETHYLENE.
3. SAMPLES MUST BE APPROVED BY PANORAMA ANTENNAS Q.C. BEFORE COMMENCING PRODUCTION.
4. IN ORDER TO ASSURE COMPLIANCE WITH THE U.S.A. DODD-FRANK ACT (SECTION 1502) TIN, GOLD, TANTALUM AND TUNGSTEN CONTAINED WITHIN PANORAMA ANTENNAS PRODUCTS MUST BE FULLY TRACEABLE TO A SMELTER APPROVED BY THE CONFLICT FREE SOURCING INITIATIVE (www.conflictreesmelter.org).



CROSS SECTION THROUGH CABLE
SCALE 4:1

Part No.		SR1-400
Impedance		50Ω ± 2Ω at 1GHz 50Ω ± 4Ω at 2GHz
Loss No Greater Than		1dB per 10m at 400MHz 1.4dB per 10m at 1GHz 2dB per 10m at 2GHz
Braid Resistance		Less than 150mΩ per 10m
Velocity Factor		85%
Shielding Effectiveness		<-85dB according to IEC 61196-1
Outer Jacket	Material	Polyethylene
	Colour	Black
	Diameter (mm)	10.29 (0.4")
Outer Conductor	Material	Tin plated Copper Braid
	Wire Coverage	90%
	Diameter (mm)	8.13 (0.32")
Secondary Shielding	Material	Bonded Aluminium Foil
	Diameter(mm)	7.39 (0.29")
Dielectric	Material	Foam polyethylene
	Diameter (mm)	7.24 (0.28")
Inner Conductor	Material	Copper clad aluminium
	Diameter (mm)	2.74 (0.10")
Operating Temp (°C)		-30°/+80°C (-22°/176°F)