

TOLERANCES UNLESS OTHERWISE STATED

0 DEC. PLACE	±0.5	2 DEC. PLACES	±0.1
1 DEC. PLACE	±0.2	ANGULAR	±1°

A

ELECTRICAL CHARACTERISTICS:- 5

1. CAPACITANCE: 78 pF/m
2. IMPEDENCE: 50Ω
3. OPERATING FREQUENCY: 5-6000 MHz
4. MAXIMUM FREQUENCY: 16.0 GHz
5. VELOCITY: 85%
6. RF PEAK POWER RATING: 16KW
7. INNER CONDUCTOR RESISTANCE DC: ≤4.50 Ω/kM
8. OUTER CONDUCTOR RESISTANCE DC: ≤5.40 Ω/kM
9. DIELECTRIC VOLTAGE: 2500V
10. JACKET SPARK TEST (RMS): 8000V
11. DIELECTRIC RESISTANCE: ≥5000 MOhm/Km
12. VSWR: ≤ 1.20 @ 5-3000MHz
13. SHIELDING EFFECTIVENESS: ≥90dB

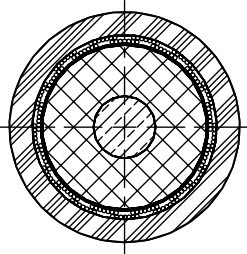
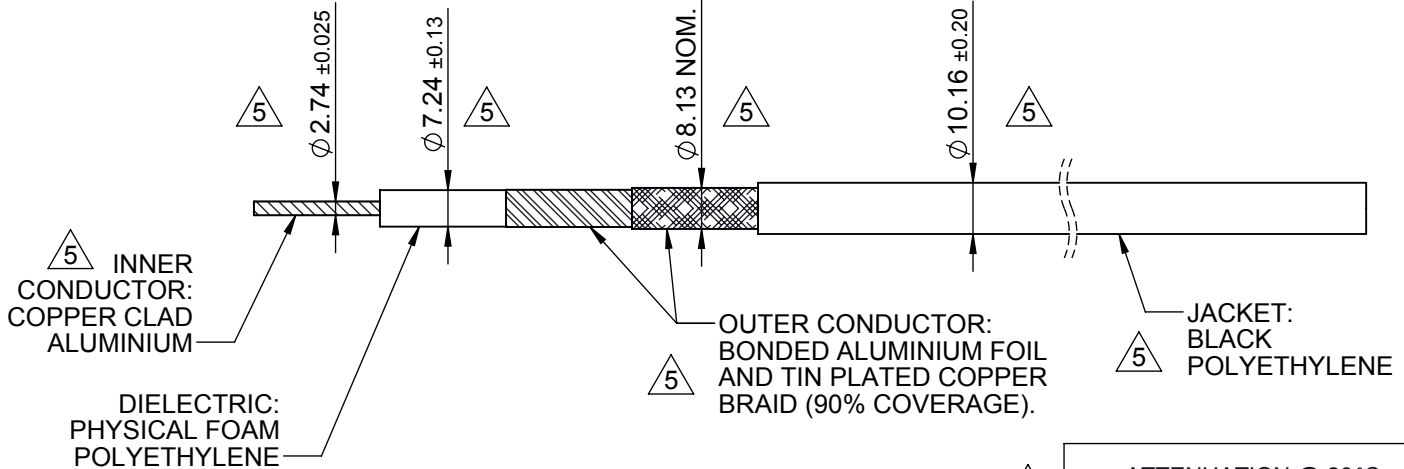
B

C

MECHANICAL AND ENVIRONMENTAL CHARACTERISTICS:- 5

1. MIN. BEND RAD. (SINGLE BEND) : 25m
2. MIN. BEND RAD. (MULTIPLE BENDS) : 102mm
3. STORAGE TEMP. : -30 TO +80°C
4. INSTALLATION TEMP. : -30 TO +80°C
5. OPERATING TEMP. : -30 TO +80°C

D



CROSS SECTION THROUGH CABLE SCALE 4:1

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.conflictfreesmelter.org).

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ATTENUATION @ 20°C	
FREQUENCY IN MHz.	ATTENUATION ≤ dB/100m
30	2.20
50	2.90
140	4.36
150	5.00
220	6.10
350	6.91
450	8.90
900	11.91
1500	16.80
1800	17.27
1900	17.55
2000	19.60
2500	20.55
3000	22.82
4000	27.27
5000	30.91
6000	34.36

PCN	REV.	DESCRIPTION OF CHANGE	DATE	DRAWN
01019	5	TOLERANCES, MATERIALS & NOTES UPDATED TO SUIT SUPPLIED COMPONENT.	21/05/2014	PE
01019	4	REDRAWN IN 2D AND 3D. NOTES AND MATERIALS UPDATED.	27/02/2014	PE
REVISIONS				

PRODUCT/ASSEMBLY CABLES AND CABLE ASSEMBLIES		DESCRIPTION HIGH FREQUENCY LOW LOSS CABLE			
MATERIAL SEE DRAWING		APPROVED KD	DO.CHECK ATB	SCALE 1:1.5	DIMENSIONS IN mm
FINISH SEE DRAWING		PANORAMA ANTENNAS			
WEIGHT N/A	SHEET 1 OF 1				