3RD ANGLE PROJECTION	DO NOT SCALE	DENOTES LATEST ISSUE CHANGES	DENOTES CRITICAL VALUE	© 2022 A4	THIS DOCUMENT MUST NOT BE COPIED OR DISCLOSED TO A THIRD PARTY WITHOUT THE WRITTEN CONSENT OF PANORAMA ANTENNAS LTD.	DRG. No.	SR1-400

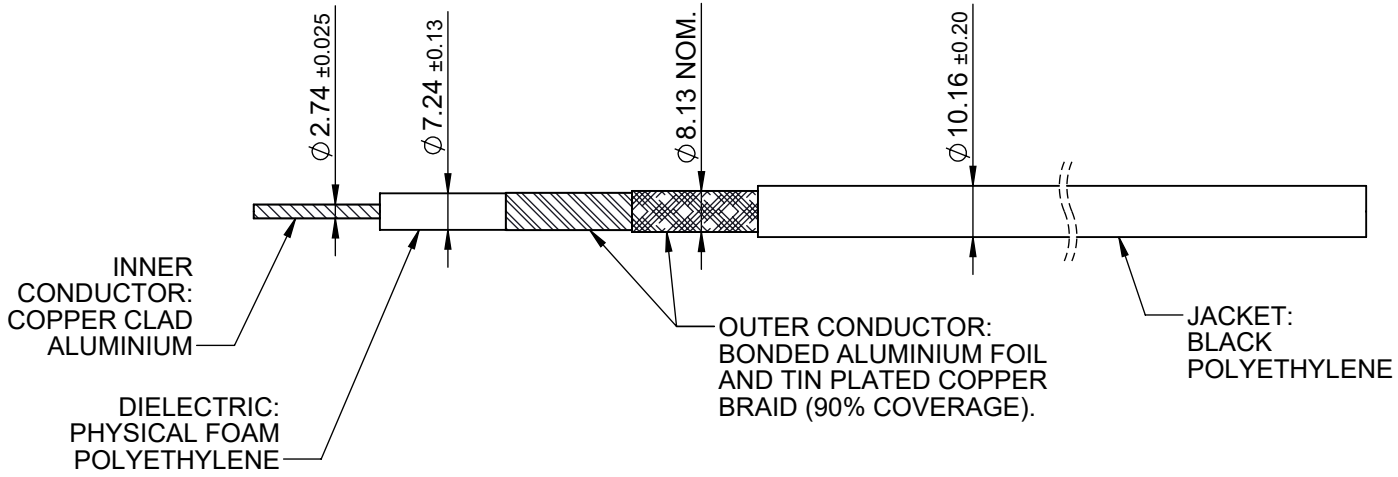
TOLERANCES UNLESS OTHERWISE STATED			
0 DEC. PLACE	±0.5	2 DEC. PLACES	±0.1
1 DEC. PLACE	±0.2	ANGULAR	±1°

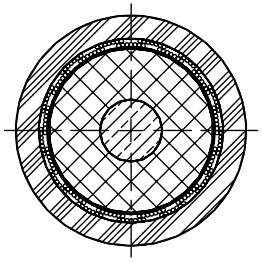
ELECTRICAL CHARACTERISTICS:-

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

MECHANICAL AND ENVIRONMENTAL CHARACTERISTICS:-

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





CROSS SECTION THROUGH CABLE SCALE 4:1

NOTES:-

1. CABLE SUPPLIED IN 30m LENGTHS COILED ROUND
2. CABLE SHEATH TO BE BLACK, UV STABLE POLYETHYLENE.
3. ALL MATERIALS SUPPLIED MUST BE RoHS3 (DIRECTIVE (EU) 2015/863) 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.
4. CONNECTORS MUST CONFORM TO STANDARD INTERFACE DIMENSIONS.
5. SAMPLES MUST BE APPROVED BY PANORAMA ANTENNAS Q.C. BEFORE COMMENCING PRODUCTION.
6. IN ORDER TO ASSURE COMPLIANCE WITH THE U.S. DODD-FRANK ACT (SECTION 1502) TIN, GOLD, TANTALUM & TUNGSTEN CONTAINED IN PANORAMA PRODUCTS MUST BE FULLY TRACEABLE TO A SMELTER APPROVED BY THE CONFLICT FREE SOURCING INITIATIVE (www.conflictfreesmelter.org)

ATTENUATION @ 20°C (7)	
FREQUENCY IN MHz.	ATTENUATION ≤ dB/100m
30	2.20
50	2.90
150	5.00
220	6.10
450	8.90
900	12.80
1500	16.80
1800	18.60
2000	19.60
2500	22.20
5800	35.50
8000	42.70

PCN	REV.	DESCRIPTION	DATE	DRN.
		TOLERANCES, MATERIALS &		
01019	5	NOTES UPDATED TO SUIT SUPPLIED COMPONENT.	21/05/2014	PE
01019	6	UPDATED CABLE LENGTH SUPPLIED, AND SHEET FORMAT	24/09/2018	NA
01019	7	ATTENUATION TABLE UPDATED	26/08/2022	SL

PRODUCT/ASSEMBLY: CABLES AND CABLE ASSEMBLIES
MATERIAL: SEE DRAWING
FINISH: SEE DRAWING
WEIGHT 55g/m
SHEET 1 OF 2

DESCRIPTION: HIGH FREQUENCY LOW LOSS CABLE

APPROVED	D.O.CHECK	SCALE	DIMENSIONS IN mm
KD	AR	1:1.5	

PANORAMA ANTENNAS