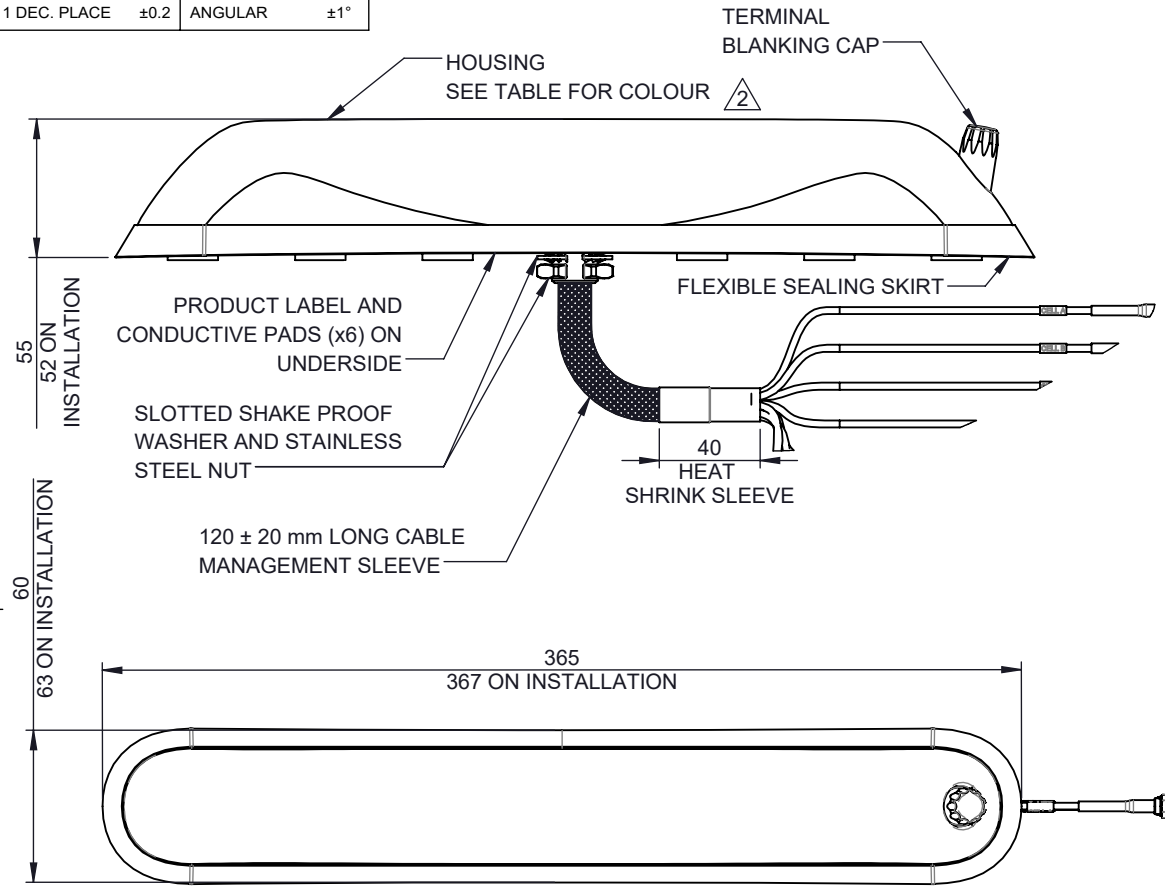
3RD ANGLE PROJECTION	DO NOT SCALE	DENOTES LATEST ISSUE CHANGES	DENOTES CRITICAL VALUE	© 2023 A4	THIS DOCUMENT MUST NOT BE COPIED OR DISCLOSED TO A THIRD PARTY WITHOUT THE WRITTEN CONSENT OF PANORAMA ANTENNAS LTD.	DRG. No. GPSDVAR4-7-49-VAR

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

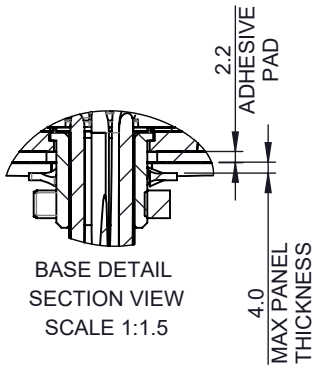


PART NUMBER 2					
JET BLACK COVER (RAL 9005)	SIGNAL WHITE COVER (RAL 9003)	WiFi	GPS	WEIGHT (g)	DRAWING SHEET No
GPSD54-7-49	GPSD54W-7-49	x0	L1/L5	480	2
GPSD4-7-49	GPSD4W-7-49		L1	480	
FIND4-7-49	FIND4W-7-49		NO GPS	450	
GPSD54-7-49-D	GPSD54W-7-49-D	x2	L1/L5	500	3
GPSD4-7-49-D	GPSD4W-7-49-D		L1	500	
FIND4-7-49-D	FIND4W-7-49-D		NO GPS	470	
GPSD54-7-49-T	GPSD54W-7-49-T	x3	L1/L5	520	4
GPSD4-7-49-T	GPSD4W-7-49-T		L1	520	
FIND4-7-49-T	FIND4W-7-49-T		NO GPS	490	
GPSD54-7-49-Q	GPSD54W-7-49-Q	x4	L1/L5	540	5
GPSD4-7-49-Q	GPSD4W-7-49-Q		L1	540	
FIND4-7-49-Q	FIND4W-7-49-Q		NO GPS	510	

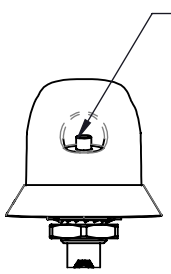
CABLE MANAGEMENT ITEMS - SUPPLIED LOOSE

10 x 12.7mm X 60 LONG HEAT SHRINK SLEEVE





BASE DETAIL
SECTION VIEW
SCALE 1:1.5



NOTES:

1. SAMPLES MUST BE APPROVED BY PANORAMA ANTENNAS Q.C. BEFORE COMMENCING PRODUCTION.
2. 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.

PCN	REV.	DESCRIPTION	DATE	DRN.
01019	A	INITIAL ISSUE	31/08/2023	GP
01019	B	DRAWING MADE INTO VAR	05/12/2023	GP
02055	1	PRODUCTION ISSUE. GPS CONNECTOR UPDATE	10/05/2024	GP
01019	2	WHITE VERSION ADDED	07/10/2024	GP

PRODUCT/ASSEMBLY: 1012 - MIMO & DIVERSITY ANTENNAS
MATERIAL: N/A
FINISH: N/A
WEIGHT: SEE TABLE
SHEET 1 OF 5

DESCRIPTION: LOW PROFILE 4G/5G 4x4 MIMO SHARKFIN ANT. | VAR WIFI | VAR GPS/GNSS

APPROVED	D.O.CHECK	SCALE	DIMENSIONS IN mm
PE	IC	1:3	

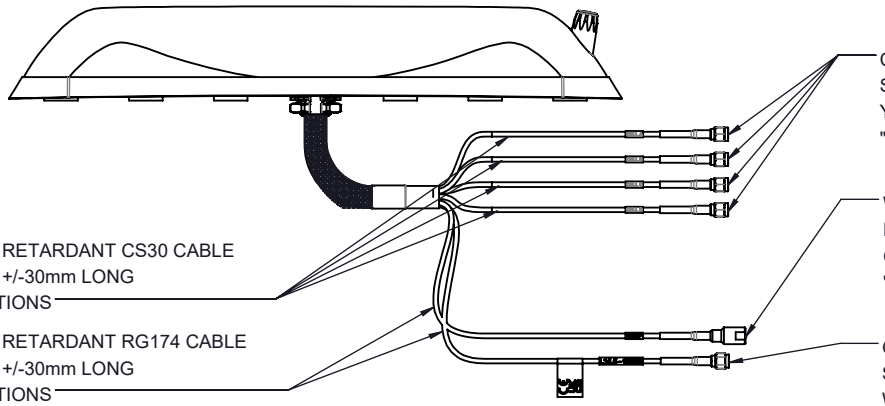
PANORAMA ANTENNAS

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GPSD54[W]-7-49

LOW PROFILE 4G/5G 4x4 MIMO SHARKFIN ANT. **1xGPS/GNSS(L1/L5)**

OPERATING FREQUENCIES:
CELL: 698-960 MHz / 1427-4900 MHz
GPS/GNSS: 1164-1189 MHz / 1562-1612 MHz 30dB LNA



FLAME RETARDANT CS30 CABLE
300mm +/-30mm LONG
4 POSITIONS

FLAME RETARDANT RG174 CABLE
300mm +/-30mm LONG
2 POSITIONS

CELLULAR CABLES
SMA PLUG TERMINATION
YELLOW LABEL WITH BLACK TEXT
"CELL A" / "CELL B" / "CELL C" / "CELL D"

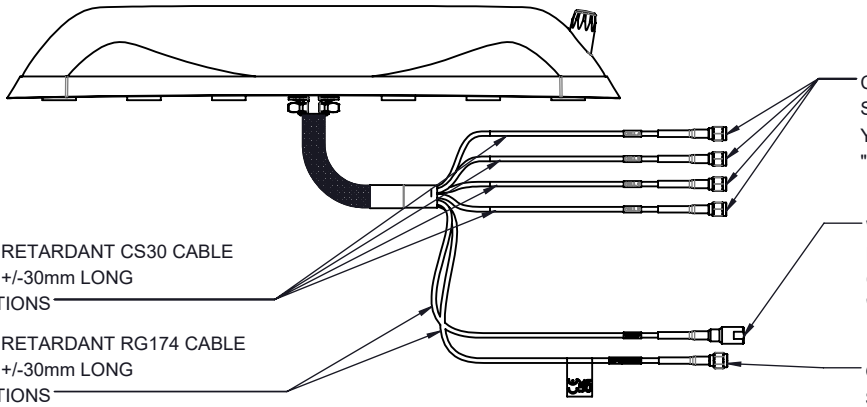
WHIP CABLE
FME PLUG TERMINATION
GREEN LABEL WITH BLACK TEXT
"WHIP"

GPS/GNSS CABLE
SMA PLUG TERMINATION
WHITE LABEL WITH BLACK TEXT
"L1/L5 - GNSS"

GPSD4[W]-7-49

LOW PROFILE 4G/5G 4x4 MIMO SHARKFIN ANT. **1xGPS/GNSS (L1)**

OPERATING FREQUENCIES:
CELL: 698-960 MHz / 1427-4900 MHz
GPS/GNSS: 1562-1612 MHz 26dB LNA



FLAME RETARDANT CS30 CABLE
300mm +/-30mm LONG
4 POSITIONS

FLAME RETARDANT RG174 CABLE
300mm +/-30mm LONG
2 POSITIONS

CELLULAR CABLES
SMA PLUG TERMINATION
YELLOW LABEL WITH BLACK TEXT
"CELL A" / "CELL B" / "CELL C" / "CELL D"

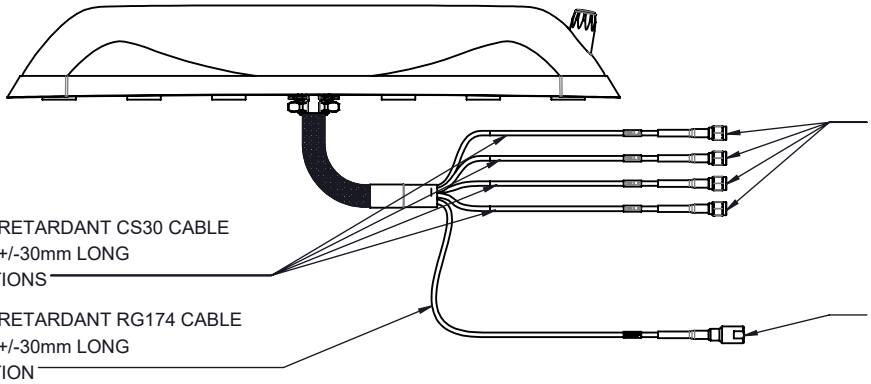
WHIP CABLE
FME PLUG TERMINATION
GREEN LABEL WITH BLACK TEXT
"WHIP"

GPS/GNSS CABLE
SMA PLUG TERMINATION
WHITE LABEL WITH BLACK TEXT
"GPS/GNSS"

FIND4[W]-7-49

LOW PROFILE 4G/5G 4x4 MIMO SHARKFIN ANT

OPERATING FREQUENCIES:
CELL: 698-960 MHz / 1427-4900 MHz



FLAME RETARDANT CS30 CABLE
300mm +/-30mm LONG
4 POSITIONS

FLAME RETARDANT RG174 CABLE
300mm +/-30mm LONG
1 POSITION

CELLULAR CABLES
SMA PLUG TERMINATION
YELLOW LABEL WITH BLACK TEXT
"CELL A" / "CELL B" / "CELL C" / "CELL D"

WHIP CABLE
FME PLUG TERMINATION
GREEN LABEL WITH BLACK TEXT
"WHIP"

PCN	REV.	DESCRIPTION	DATE	DRN.
01019	A	INITIAL ISSUE	31/08/2023	GP
01019	B	DRAWING MADE INTO VAR	05/12/2023	GP
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01019	2	WHITE VERSION ADDED	07/10/2024	GP

PRODUCT/ASSEMBLY: 1012 - MIMO & DIVERSITY ANTENNAS
MATERIAL: N/A
FINISH: N/A
WEIGHT: SEE TABLE
SHEET 2 OF 5

DESCRIPTION: LOW PROFILE 4G/5G 4x4 MIMO SHARKFIN ANT. | VAR WIFI | VAR GPS/GNSS

APPROVED	D.O.CHECK	SCALE	DIMENSIONS IN mm
PE	IC	1:4.5	

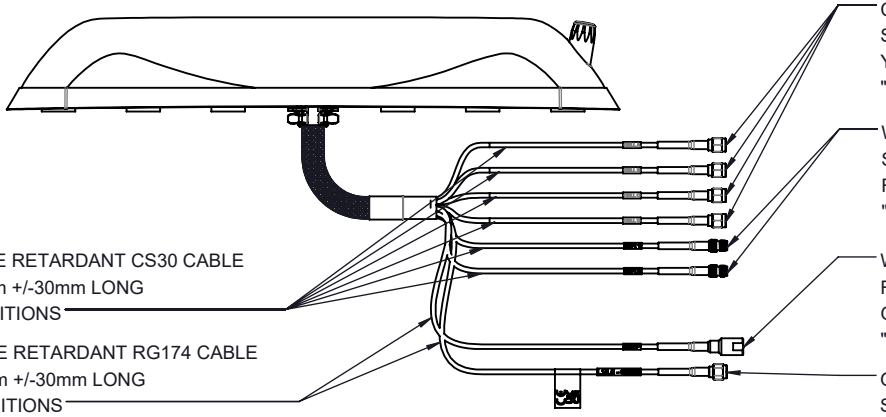
PANORAMA ANTENNAS

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GPSD54[W]-7-49-D

LOW PROFILE 4G/5G 4x4 MIMO SHARKFIN ANT. 2xWIFI **1xGPS/GNSS(L1/L5)**

OPERATING FREQUENCIES:
CELL: 698-960 MHz / 1427-4900 MHz
WIFI: 2.4 / 5.0 / 7.2 GHz
GPS/GNSS: 1164-1189 MHz / 1562-1612 MHz 30dB LNA



CELLULAR CABLES
SMA PLUG TERMINATION
YELLOW LABEL WITH BLACK TEXT
"CELL A" / "CELL B" / "CELL C" / "CELL D"

WIFI CABLES
SMA JACK TERMINATION
RED LABEL WITH WHITE TEXT
"WIFI 1" / "WIFI 2"

WHIP CABLE
FME PLUG TERMINATION
GREEN LABEL WITH BLACK TEXT
"WHIP"

GPS/GNSS CABLE
SMA PLUG TERMINATION
WHITE LABEL WITH BLACK TEXT
"L1/L5 - GNSS"

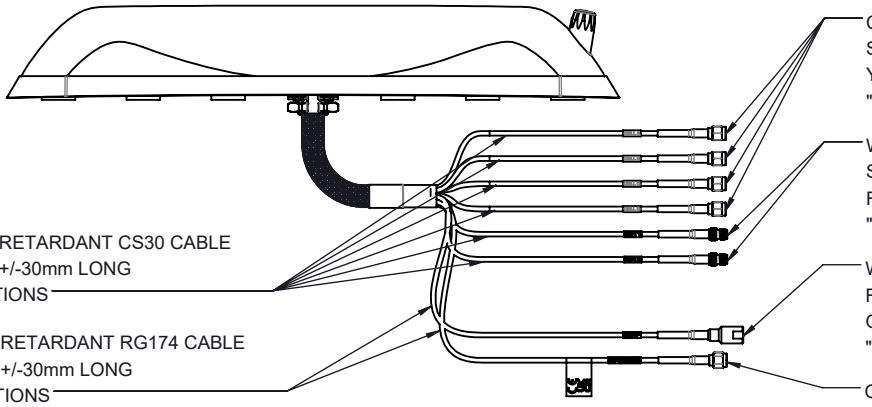
FLAME RETARDANT CS30 CABLE
300mm +/-30mm LONG
6 POSITIONS

FLAME RETARDANT RG174 CABLE
300mm +/-30mm LONG
2 POSITIONS

GPSD4[W]-7-49-D

LOW PROFILE 4G/5G 4x4 MIMO SHARKFIN ANT. 2xWIFI **1xGPS/GNSS(L1)**

OPERATING FREQUENCIES:
CELL: 698-960 MHz / 1427-4900 MHz
WIFI: 2.4 / 5.0 / 7.2 GHz
GPS/GNSS: 1562-1612 MHz 26dB LNA



CELLULAR CABLES
SMA PLUG TERMINATION
YELLOW LABEL WITH BLACK TEXT
"CELL A" / "CELL B" / "CELL C" / "CELL D"

WIFI CABLES
SMA JACK TERMINATION
RED LABEL WITH WHITE TEXT
"WIFI 1" / "WIFI 2"

WHIP CABLE
FME PLUG TERMINATION
GREEN LABEL WITH BLACK TEXT
"WHIP"

GPS/GNSS CABLE
SMA PLUG TERMINATION
WHITE LABEL WITH BLACK TEXT
"GPS/GNSS"

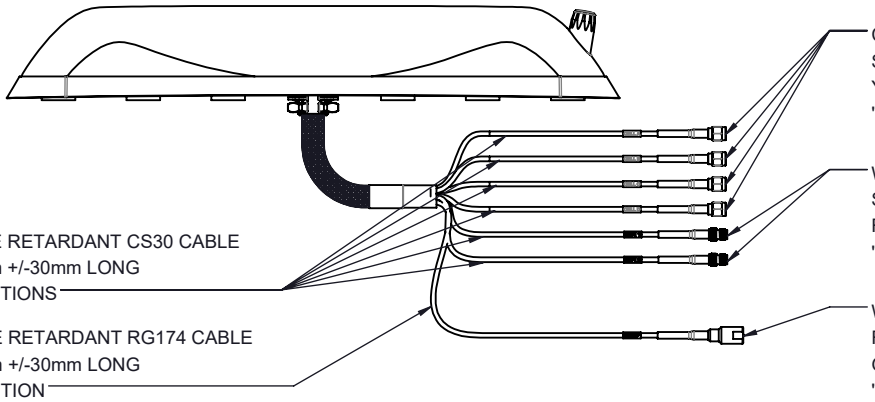
FLAME RETARDANT CS30 CABLE
300mm +/-30mm LONG
6 POSITIONS

FLAME RETARDANT RG174 CABLE
300mm +/-30mm LONG
2 POSITIONS

FIND4[W]-7-49-D

LOW PROFILE 4G/5G 4x4 MIMO SHARKFIN ANT. 2xWIFI

OPERATING FREQUENCIES:
CELL: 698-960 MHz / 1427-4900 MHz
WIFI: 2.4 / 5.0 / 7.2 GHz



CELLULAR CABLES
SMA PLUG TERMINATION
YELLOW LABEL WITH BLACK TEXT
"CELL A" / "CELL B" / "CELL C" / "CELL D"

WIFI CABLES
SMA JACK TERMINATION
RED LABEL WITH WHITE TEXT
"WIFI 1" / "WIFI 2"

WHIP CABLE
FME PLUG TERMINATION
GREEN LABEL WITH BLACK TEXT
"WHIP"

FLAME RETARDANT CS30 CABLE
300mm +/-30mm LONG
6 POSITIONS

FLAME RETARDANT RG174 CABLE
300mm +/-30mm LONG
1 POSITION

PCN	REV.	DESCRIPTION	DATE	DRN.
01019	A	INITIAL ISSUE	31/08/2023	GP
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02055	1	PRODUCTION ISSUE. GPS CONNECTOR UPDATE	10/05/2024	GP
01019	2	WHITE VERSION ADDED	07/10/2024	GP

PRODUCT/ASSEMBLY: 1012 - MIMO & DIVERSITY ANTENNAS
MATERIAL: N/A
FINISH: N/A
WEIGHT: SEE TABLE
SHEET 3 OF 5

DESCRIPTION: LOW PROFILE 4G/5G 4x4 MIMO SHARKFIN ANT. | VAR WIFI | VAR GPS/GNSS

APPROVED	D.O.CHECK	SCALE	DIMENSIONS IN mm
PE	IC	1:4.5	

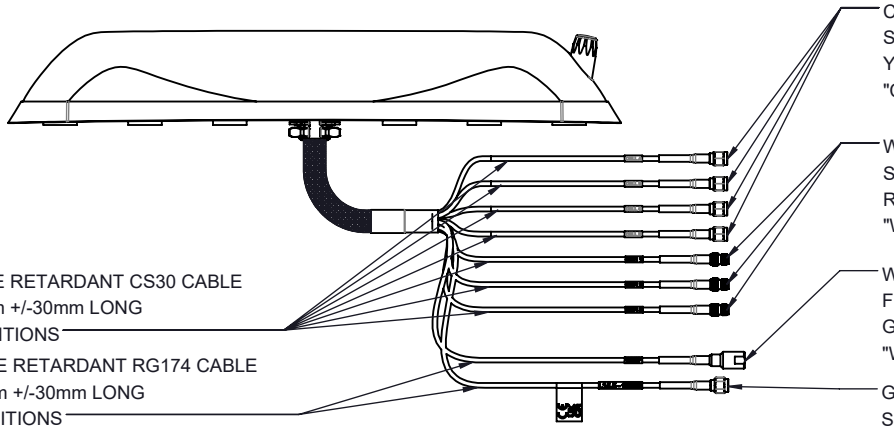
PANORAMA ANTENNAS

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GPSD54[W]-7-49-T

LOW PROFILE 4G/5G 4x4 MIMO SHARKFIN ANT. 3xWIFI **1xGPS/GNSS(L1/L5)**

OPERATING FREQUENCIES:
CELL: 698-960 MHz / 1427-4900 MHz
WIFI: 2.4 / 5.0 / 7.2 GHz
GPS/GNSS: 1164-1189 MHz / 1562-1612 MHz 30dB LNA



FLAME RETARDANT CS30 CABLE
300mm +/-30mm LONG
7 POSITIONS

FLAME RETARDANT RG174 CABLE
300mm +/-30mm LONG
2 POSITIONS

CELLULAR CABLES
SMA PLUG TERMINATION
YELLOW LABEL WITH BLACK TEXT
"CELL A" / "CELL B" / "CELL C" / "CELL D"

WIFI CABLES
SMA JACK TERMINATION
RED LABEL WITH WHITE TEXT
"WIFI 1" / "WIFI 2" / "WIFI 3"

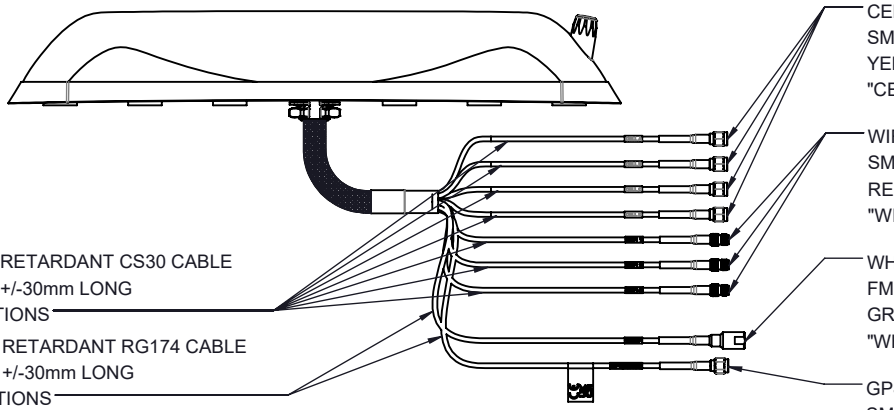
WHIP CABLE
FME PLUG TERMINATION
GREEN LABEL WITH BLACK TEXT
"WHIP"

GPS/GNSS CABLE
SMA PLUG TERMINATION
WHITE LABEL WITH BLACK TEXT
"L1/L5 - GNSS"

GPSD4[W]-7-49-T

LOW PROFILE 4G/5G 4x4 MIMO SHARKFIN ANT. 3xWIFI **1xGPS/GNSS(L1)**

OPERATING FREQUENCIES:
CELL: 698-960 MHz / 1427-4900 MHz
WIFI: 2.4 / 5.0 / 7.2 GHz
GPS/GNSS: 1562-1612 MHz 26dB LNA



FLAME RETARDANT CS30 CABLE
300mm +/-30mm LONG
7 POSITIONS

FLAME RETARDANT RG174 CABLE
300mm +/-30mm LONG
2 POSITIONS

CELLULAR CABLES
SMA PLUG TERMINATION
YELLOW LABEL WITH BLACK TEXT
"CELL A" / "CELL B" / "CELL C" / "CELL D"

WIFI CABLES
SMA JACK TERMINATION
RED LABEL WITH WHITE TEXT
"WIFI 1" / "WIFI 2" / "WIFI 3"

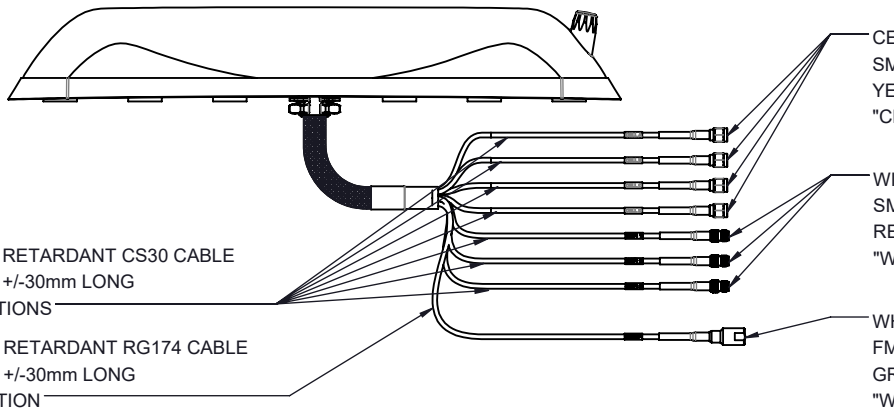
WHIP CABLE
FME PLUG TERMINATION
GREEN LABEL WITH BLACK TEXT
"WHIP"

GPS/GNSS CABLE
SMA PLUG TERMINATION
WHITE LABEL WITH BLACK TEXT
"GPS/GNSS"

FIND4[W]-7-49-T

LOW PROFILE 4G/5G 4x4 MIMO SHARKFIN ANT. 3xWIFI

OPERATING FREQUENCIES:
CELL: 698-960 MHz / 1427-4900 MHz
WIFI: 2.4 / 5.0 / 7.2 GHz



FLAME RETARDANT CS30 CABLE
300mm +/-30mm LONG
7 POSITIONS

FLAME RETARDANT RG174 CABLE
300mm +/-30mm LONG
1 POSITION

CELLULAR CABLES
SMA PLUG TERMINATION
YELLOW LABEL WITH BLACK TEXT
"CELL A" / "CELL B" / "CELL C" / "CELL D"

WIFI CABLES
SMA JACK TERMINATION
RED LABEL WITH WHITE TEXT
"WIFI 1" / "WIFI 2" / "WIFI 3"

WHIP CABLE
FME PLUG TERMINATION
GREEN LABEL WITH BLACK TEXT
"WHIP"

PCN	REV.	DESCRIPTION	DATE	DRN.
01019	A	INITIAL ISSUE	31/08/2023	GP
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01019	2	WHITE VERSION ADDED	07/10/2024	GP

PRODUCT/ASSEMBLY: 1012 - MIMO & DIVERSITY ANTENNAS
MATERIAL: N/A
FINISH: N/A
WEIGHT: SEE TABLE
SHEET 4 OF 5

DESCRIPTION: LOW PROFILE 4G/5G 4x4 MIMO SHARKFIN ANT. | VAR WIFI | VAR GPS/GNSS

APPROVED	D.O.CHECK	SCALE	DIMENSIONS IN mm
PE	IC	1:4.5	

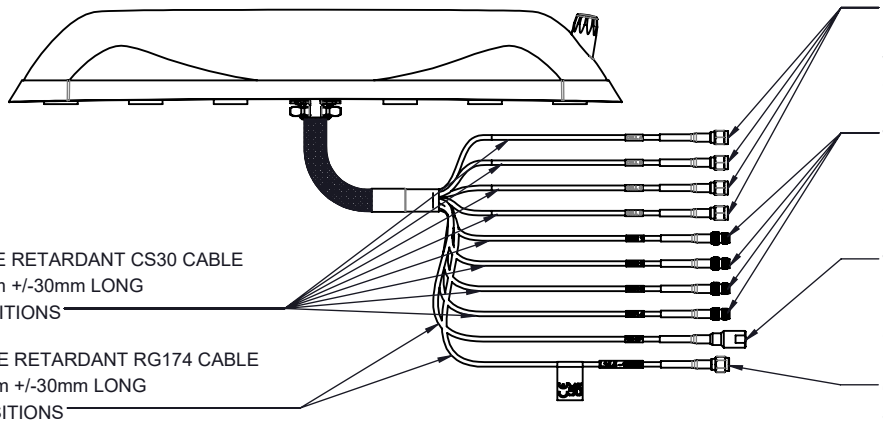
PANORAMA ANTENNAS

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GPSD54[W]-7-49-Q

LOW PROFILE 4G/5G 4x4 MIMO SHARKFIN ANT. 4xWIFI **1xGPS/GNSS(L1/L5)**

OPERATING FREQUENCIES:
CELL: 698-960 MHz / 1427-4900 MHz
WIFI: 2.4 / 5.0 / 7.2 GHz
GPS/GNSS: 1164-1189 MHz / 1562-1612 MHz 30dB LNA



FLAME RETARDANT CS30 CABLE
300mm +/-30mm LONG
8 POSITIONS

FLAME RETARDANT RG174 CABLE
300mm +/-30mm LONG
2 POSITIONS

CELLULAR CABLES
SMA PLUG TERMINATION
YELLOW LABEL WITH BLACK TEXT
"CELL A" / "CELL B" / "CELL C" / "CELL D"

WIFI CABLES
SMA JACK TERMINATION
RED LABEL WITH WHITE TEXT
"WIFI 1" / "WIFI 2" / "WIFI 3" / "WIFI 4"

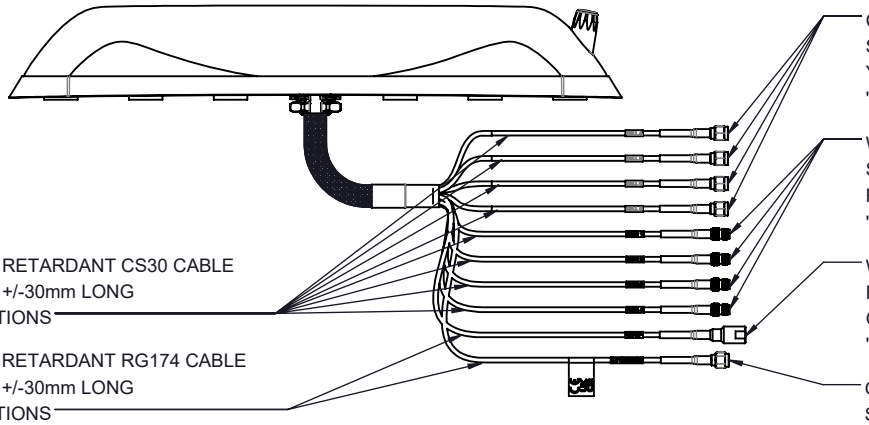
WHIP CABLE
FME PLUG TERMINATION
GREEN LABEL WITH BLACK TEXT
"WHIP"

GPS/GNSS CABLE
SMA PLUG TERMINATION
WHITE LABEL WITH BLACK TEXT
"L1/L5 - GNSS"

GPSD4[W]-7-49-Q

LOW PROFILE 4G/5G 4x4 MIMO SHARKFIN ANT. 4xWIFI **1xGPS/GNSS(L1)**

OPERATING FREQUENCIES:
CELL: 698-960 MHz / 1427-4900 MHz
WIFI: 2.4 / 5.0 / 7.2 GHz
GPS/GNSS: 1562-1612 MHz 26dB LNA



FLAME RETARDANT CS30 CABLE
300mm +/-30mm LONG
8 POSITIONS

FLAME RETARDANT RG174 CABLE
300mm +/-30mm LONG
2 POSITIONS

CELLULAR CABLES
SMA PLUG TERMINATION
YELLOW LABEL WITH BLACK TEXT
"CELL A" / "CELL B" / "CELL C" / "CELL D"

WIFI CABLES
SMA JACK TERMINATION
RED LABEL WITH WHITE TEXT
"WIFI 1" / "WIFI 2" / "WIFI 3" / "WIFI 4"

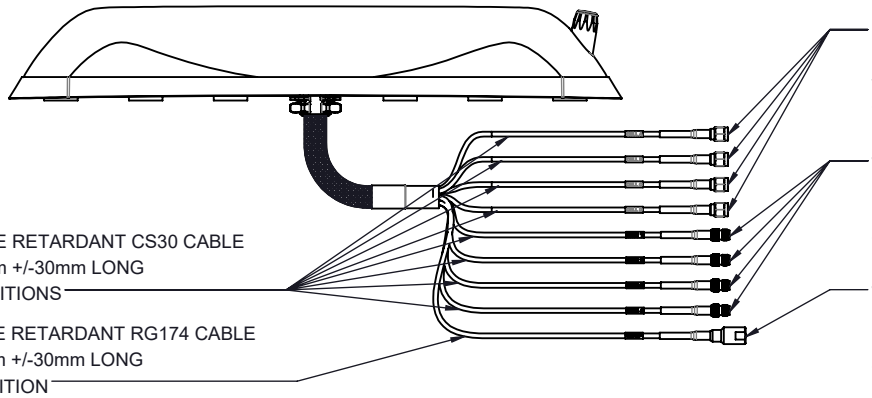
WHIP CABLE
FME PLUG TERMINATION
GREEN LABEL WITH BLACK TEXT
"WHIP"

GPS/GNSS CABLE
SMA PLUG TERMINATION
WHITE LABEL WITH BLACK TEXT
"GPS/GNSS"

FIND4[W]-7-49-Q

LOW PROFILE 4G/5G 4x4 MIMO SHARKFIN ANT. 4xWIFI

OPERATING FREQUENCIES:
CELL: 698-960 MHz / 1427-4900 MHz
WIFI: 2.4 / 5.0 / 7.2 GHz



FLAME RETARDANT CS30 CABLE
300mm +/-30mm LONG
8 POSITIONS

FLAME RETARDANT RG174 CABLE
300mm +/-30mm LONG
1 POSITION

CELLULAR CABLES
SMA PLUG TERMINATION
YELLOW LABEL WITH BLACK TEXT
"CELL A" / "CELL B" / "CELL C" / "CELL D"

WIFI CABLES
SMA JACK TERMINATION
RED LABEL WITH WHITE TEXT
"WIFI 1" / "WIFI 2" / "WIFI 3" / "WIFI 4"

WHIP CABLE
FME PLUG TERMINATION
GREEN LABEL WITH BLACK TEXT
"WHIP"

PCN	REV.	DESCRIPTION	DATE	DRN.
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PRODUCT/ASSEMBLY: 1012 - MIMO & DIVERSITY ANTENNAS
MATERIAL: N/A
FINISH: N/A
WEIGHT: SEE TABLE
SHEET 5 OF 5

DESCRIPTION: LOW PROFILE 4G/5G 4x4 MIMO SHARKFIN ANT. | VAR WIFI | VAR GPS/GNSS

APPROVED	D.O.CHECK	SCALE	DIMENSIONS IN mm
PE	IC	1:4.5	

PANORAMA ANTENNAS