

3RD ANGLE PROJECTION	DO NOT SCALE	DENOTES LATEST ISSUE CHANGES	DENOTES CRITICAL VALUE	© 2017 A4 THIS DOCUMENT MUST NOT BE COPIED OR DISCLOSED TO A THIRD PARTY WITHOUT THE WRITTEN CONSENT OF PANORAMA ANTENNAS LTD.	DRG. No. C23FP-VARS
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TOLERANCES UNLESS OTHERWISE STATED		PART No.	'L'- mm	TOL.- mm	WEIGHT - g
0 DEC. PLACE ±0.5	2 DEC. PLACES ±0.1	C23FP-2-5SP	2500	+100 -0	100
1 DEC. PLACE ±0.2	ANGULAR ±1°	C23FP-5SP	5000	+100 -0	201
		C23FP-6SP	6000	+100 -0	241
		C23FP-12SP	12000	+100 -0	475
		C23FP-14SP	14000	+100 -0	551
		C23FP-15SP	15000	+100 -0	592



**CABLE SPECIFICATION VALUES:-**

1. CHARACTERISTIC IMPEDANCE:-  
50Ω ±2Ω @ 1GHz  
50Ω ±4Ω @ 2GHz
2. ATTENUATION:-  
NO GREATER THAN 0.5 dB/m AT 1 GHz.  
NO GREATER THAN 0.75 dB/m AT 2 GHz.
3. MAX. PEAK VOLTAGE:- 1.5kV DC.
4. BRAID RESISTANCE PER 10m LESS THAN 160mΩ.
5. SHIELDING EFFECTIVENESS ACCORDING TO IEC61196 TO BE < -55dB AT 30-10000 MHz.

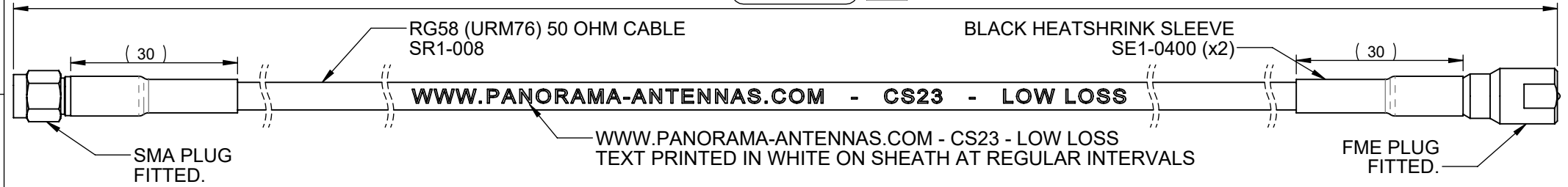
**SPECIFICATION NOTES:**

1. ELECTRICAL TEST - EACH CABLE.  
CENTRE CONDUCTOR/OUTER SCREEN ISOLATION 1KV MIN.  
CENTRE CONDUCTOR END TO END TEST.
2. TENSILE PULL TEST SAMPLE/ASSEMBLY PER 3000 BATCH.  
PULLING LOAD - CONNECTOR BODY - 5Kg.  
PULLING LOAD - CENTRE PIN - 2Kg.
3. CS23 CABLE PERFORMANCE TEST SAMPLE PER 10000 m BATCH.  
IMPEDANCE 50Ω ±2Ω @ 1GHz. & 50Ω ±4Ω @ 2GHz.  
LOSS NO GREATER THAN 0.5dB/m @ 1GHz. & 0.75dB/m @ 2GHz.

**GENERAL NOTES:-**

1. ALL MATERIALS SUPPLIED MUST BE RoHS2 (DIRECTIVE 2011/65/EU) 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 STABILISED PACREL 6385N TPE.
3. PRINTING MUST BE DURABLE AND ENVIRONMENTALLY RESISTANT.
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.conflictreesmelter.org](http://www.conflictreesmelter.org))

SEE TABLE



				PRODUCT/ASSEMBLY CABLES AND CABLE ASSEMBLIES	DESCRIPTION FME(m) - SMA(m) 5m CS23 CABLE ASSEMBLY			
				MATERIAL	N/A			
01019	1	INITIAL ISSUE	24/01/2017	IC				
01019	1	PRODUCTION ISSUE	04/05/2017	IC				
01019	2	VAR CREATED.	09/06/2017	AR				
PCN	REV.	DESCRIPTION	DATE	DRN.	WEIGHT SEE TABLE	SHEET 1 OF 1		