

Product Data Sheet

Techni-Pro Black Metal Wrist Strap with 6-Foot Grouding Cord

TNP 758ST1064



Product Information

Techni-Pro 758ST1064 wrist straps are flexible, non-allergenic, easy to clean and adjustable to any size wrist. The expansion band has a stainless steel conductive interior and a coated, insulative exterior for stray charge protection.

General Specifications

Brand	Techni-Pro
Color	Black
Cord Length	6 ft.
Material	Metal
Type	Wrist strap with grounding cord
Wearable Size	Adjustable
Resistor	Yes
Cord and Snap Included	Yes
Wrist Strap Included	Yes
Snap Size	1/4"
Cord Style	Single
Plug Style	Banana
Snap Style	1/4" (7mm)

Table 1. Product Qualification

ELECTRICAL	REQUIRED LIMIT	TEST SECTION	UOM	A	B	C	D	E	F	RESULT
Wrist Strap Continuity and Resistance (MΩ)	1 megohm ± 20% or user defined value	6.1	MΩ	0.97	0.9B8	0.97	0.98	0.97	0.97	PASS
Wristband (Cuff) Resistance Interior (kΩ)	≤ 100 kilohms or user defined value	6.2	kΩ	< 1	< 1	< 1	< 1	< 1	< 1	PASS
Wristband Resistance Exterior (MΩ)	≥ 10 megohms	6.2	MΩ	> 2000	> 2000	> 10000	> 10000	> 10000	> 1000	PASS
MECHANICAL										
Wristband Size (inches)	Defined (min/max circumference)	6.3	IN	7/12	7/12	7/12	7/12	7/12	7/12	PASS
Breakaway Force (lbs)	>0.45 kg (1lb), < 2.3 kg (5lb)	6.4	LBS	2.0	1.8	1.6	1.4	1.8	2.2	PASS
CONNECTOR & CORD INTEGRITY										
Breaking point of ground cord (lbs)	< 2.3 kg (5lbs)	6.5	LBS	40.2	41.4	37.8	45.5	42.1	37.0	PASS
Breaking point of ground connector to ground cord (lbs)	> 66% of cord strength	6.5	%	99%	93%	97%	85%	94%	87%	PASS
Breaking point of wristband connector to cord (lbs)	> 66% of cord strength	6.5	%	100%	97%	100%	83%	98%	94%	PASS
Ground cord extendibility (MΩ)	Extension to mfr's specified length with no continuity loss	6.6	MΩ	0.98	0.97	0.97	0.98	0.97	0.97	PASS
Bending Life	≥ 16,000 cycles	6.7	Cycles	29,121	30,761	30,903	27,155	21,620	35,477	PASS
MARKING										
Manufacturer's Identification	Logo and/or name	6.8	Cord	TT	TT	TT	TT	TT	TT	PASS
			Band	None	None	None	None	None	None	PASS
ID of Non-Standard Resistance Value	Red feature. Value marked	6.9		NA	NA	NA	NA	NA	NA	PASS

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Table 2. Acceptance Testing

ELECTRICAL	REQUIRED LIMIT	TEST SECTION	UOM	A	B	C	D	E	F	RESULT
Wrist Strap Resistance (MΩ)	1 megohm ±20% or user defined value	6.10	MΩ	0.97	0.96	0.96	0.97	0.97	0.97	PASS

Table 3. System Test

ELECTRICAL	REQUIRED LIMIT	TEST SECTION	UOM	A	B	C	D	E	F	RESULT
Wrist Strap System Resistance (MΩ)	"Pass" or <35 megohms or user defined value	6.11	MΩ	1.00	1.03	1.06	1.05	1.05	1.07	PASS

Conclusion: TNP 758ST1064 has met the required limits for ANSI/ESD S1.1

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