

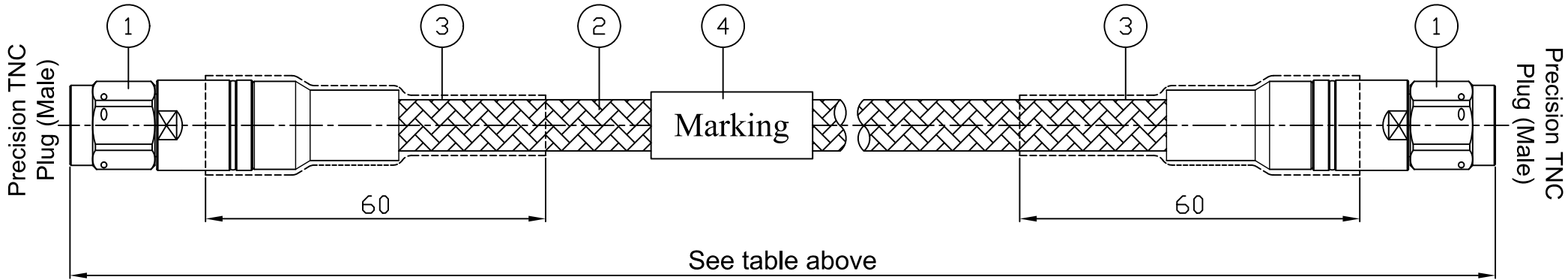
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Rosnol P/N		Length (mm)
PCT1K50-MT902A-PCT1K50-500A/18G		500
Frequency	VSWR Max.	Insertion Loss Max.
18 GHz	1.45	≤ 1.2 (dB)

## SPECIFICATION CONTROL DRAWING

### REVISION

REV.	DESCRIPTION	DATE	APPROVED
-	INITIAL RELEASE	JAN/20/2025	



#### NOTES:

- CONNECTORS ASSEMBLED PER MANUFACTURERS INSTRUCTIONS.
- MARKING DETAILS IF NOT SPECIAL MARKING TEXT:  
ROSNOL DC- 18 GHz  
PCT1K50-MT902A-PCT1K50-500A/18G\_W1  
WW/YY SERIAL NUMBER
- ALL DIMENSIONS ARE IN MM ; LENGTH TOLERANCES :  
±3 mm FOR L≤300mm ; ±1% FOR L >300mm
- TEMPERATURE -  
54 to 200 Deg C for RF Cable according to para. 4.7.9 of MIL T 81490  
HUMIDITY -  
In accordance with Para. 4.6.2.4 of MIL HDBK 5400  
SAND AND DUST -  
In accordance with Para. 4.6.2.7 of MIL HDBK 5400  
FUNGUS -  
In accordance with Para. 4.6.2.8 of MIL HDBK 5400

#### FLAMMABILITY -

In accordance with MIL STD 202 Method 202

#### EXPLOSIVE CONDITIONS -

In accordance with Para. 4.6.2.10 of MIL HDBK 5400

#### SOLVENT RESISTANCE -

7 days at 20 Deg C JP 6 (jet fuel) and hydraulic fluid (MIL H 5606)

SHOCK - In accordance with Para. 4.6.2.6 of MIL HDBK 5400

#### VIBRATION -

In accordance with Para. 4.6.2.5 of MIL HDBK 5400

#### SALT ATMOSPHERE -

The item shall withstand, in both operation and nonoperation situations, exposure to salt sea atmosphere, according to Para. 4.6.2.9 of MIL HDBK 5400

#### ALTITUDE -

The item shall be capable of continuous reliable operation at any altitude from Sea level to 70,000 feet

5) Rosnol MT902A cable temperature range : -65°C to +200°C

### CUSTOMER'S APPROVAL

Department or  
company's stamp

Name:

Date:

Copy and send back to  
ROSNOL CORPORATION BEFORE:

**ROSNOL**   
RF/Microwave Technology

www.rosnol.com

info@rosnol.com

N-CAGE Code: SFKK0

#### TITLE

Precision TNC Plug (Male) to Precision TNC Plug (Male)  
0.5 Meter Cable Assembly for MT902A Cable

#### DRAWING NO.

PCT1K50-MT902A-PCT1K50-500A/18G

4	LABEL HEAT SHRINK TUBE	HST-W-D12-125C	1	EA	DIMENSION ARE IN MM [INCH]  TOLERANCES  DECIMALS .X ± 6.35 [.250"] .XX ± 3.18 [.125"] .XXX ± 1.52 [.060"] DEGREES X° ± 1°	CUSTOMER	REV	UNIT
3	HEAT SHRINK TUBE	HST-B-D16-125C-G	2X 60	mm		APPROVED	DATE	mm [inch]
2	CABLE	Rosnol MT902A Cable	500	mm				
1	Precision TNC Plug (Male)	PCT1K50-MT902B/9XX	2	EA		DRAWN	DATE	
NO.	DESCRIPTION	PARTS NO.	QTY.	U/M				