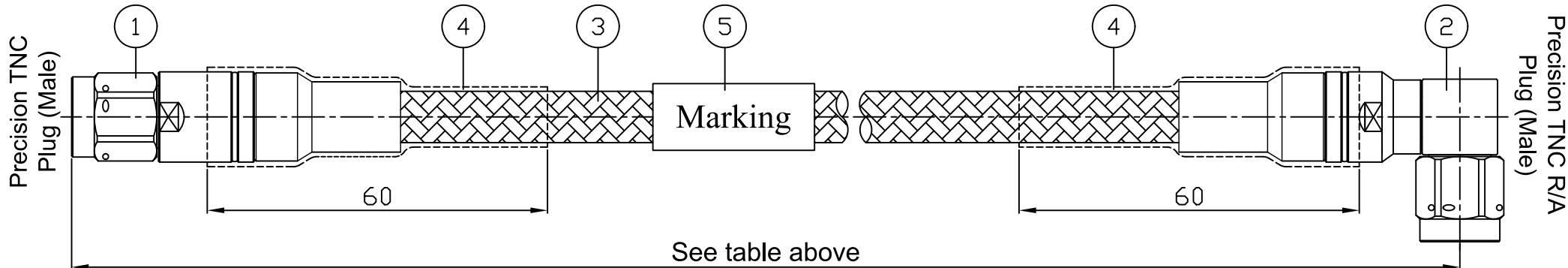


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| Rosnol P/N | Length (mm) | |
|---------------------------------------|-------------|---------------------|
| PCT1K50-MT902A-PCT1K59-5000 AC/18G | 5000 | |
| Frequency | VSWR Max. | Insertion Loss Max. |
| 18 GHz | 1.5 | ≤ 4.0 (dB) |

SPECIFICATION CONTROL DRAWING

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



See table above

NOTES:

- 1) CONNECTORS ASSEMBLED PER MANUFACTURERS INSTRUCTIONS.
- 2) MARKING DETAILS IF NOT SPECIAL MARKING TEXT:
ROSNOL DC- 18 GHz
PCT1K50-MT902A-PCT1K59-5000AC/18G_W11
WW/YY SERIAL NUMBER
- 3) ALL DIMENSIONS ARE IN MM ; LENGTH TOLERANCES :
±3 mm FOR L<=300mm ; ±1% FOR L >300mm
- 4) 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

| | | | | |
|-----|-------------------------------|---------------------|-------|-----|
| 5 | LABEL HEAT SHRINK TUBE | HST-W-D12-125C | 1 | EA |
| 4 | HEAT SHRINK TUBE | HST-B-D16-125C-G | 2X 60 | mm |
| 3 | CABLE | Rosnol MT902A Cable | 5000 | mm |
| 2 | Precision TNC R/A Plug (Male) | PCT1K59-MT902A/9XX | 1 | EA |
| 1 | Precision TNC Plug (Male) | PCT1K50-MT902B/9XX | 1 | EA |
| NO. | DESCRIPTION | PARTS NO. | QTY. | U/M |

| DIMENSION ARE IN MM [INCH] | CUSTOMER | REV | UNIT mm [inch] |
|--|----------|------|----------------|
| | | | |
| TOLERANCES | | | |
| DECIMALS .X ± 6.35 [.250"] .XX ± 3.18 [.125"] .XXX ± 1.52 [.060"] | APPROVED | DATE | |
| DEGREES X° ± 1° | DRAWN | DATE | |

| 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 R/A (Male) 5 Meter Cable Assembly for MT902A Cable | | | |
| DRAWING NO. PCT1K50-MT902A-PCT1K59-5000AC/18G | | | |