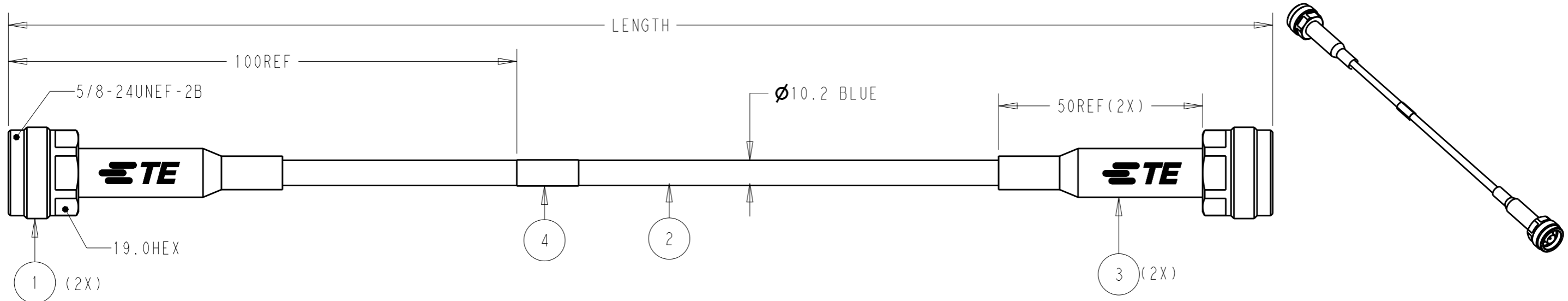


| P | LTR | DESCRIPTION     | DATE      | DWN | APVD |
|---|-----|-----------------|-----------|-----|------|
| 1 |     | INITIAL CREATED | 23SEP2019 | CL  | RS   |
| 1 |     | INITIAL CREATED | 23SEP2019 | CL  | RS   |



THIS PRINT IS  
**PRELIMINARY**  
 UNQUALIFIED PRODUCT  
 CONTACT PRODUCT ENGINEERING  
 BEFORE USING THIS PRINT

- NOTES:
- MATERIAL AND PROCESSING MUST MEET REQUIREMENTS OF TEC-138-702
  - CONNECTOR N-TYPE INTERFACE FOLLOW IEC60169-16
  - PRODUCT RATING:  
 TEMPERATURE: -40°C TO +85°C  
 CHARACTERISTIC IMPEDANCE: 50 OHMS Normal  
 FREQUENCY RANGE: DC TO 18GHz  
 DURABILITY: NO LESS THAN 500TIMES  
 BEND RADIUS: 54MM MIN (STATIC)  
 108MM MIN(REPEATED)
  - CABLE ASSEMBLY TO BE 100% SI TESTED  
 VSWR: 1.3:1 MAX @ DC~18GHz  
 INSERT LOSS: REFER TO TABLE  
 MECHANICAL PHASE STABILITY: <math>\pm 5^\circ</math>  
 MECHANICAL AMPLITUDE STABILITY: <math>\pm 0.1\text{dB}</math>
  - CONNECTOR NEED COVER WITH CAP, PACKAGE FOLLOW TEC-107-115

| PART NUMBER | LENGTH  | INSERTION LOSS(MAX) |              |
|-------------|---------|---------------------|--------------|
| 1-2016658-5 | 1500±15 | 1.98dB@6GHz         | 3.96dB@18GHz |
| 1-2016658-0 | 1000±15 | 1.42dB@6GHz         | 2.94dB@18GHz |
| 2016658-6   | 600±10  | 0.97dB@6GHz         | 1.94dB@18GHz |

| PC | Q'TY | DESCRIPTION  | ITEM |
|----|------|--|------|
| PC | 1    | LABEL  | 4    |
| MR | AR   | HEAT SHRINK TUBE   | 3    |
| MR | AR   | COAX CABLE, SOLID SPCCS 0.94MM, PTFE TAPE INSULATION, SPC TAPE OUTER CONDUCTOR 3.15MM, WITH ARMOR, PUR JACKET, 50OHM, BLUE | 2    |
| PC | 2    | PC N-TYPE, MALE, STRAIGHT  | 1    |

|  |  |  |  |  |  |
|--|--|--|--|--|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  | DWN 13AUG2019<br>Cedar Liu   |  | <b>TE</b> TE Connectivity                                  |  |
| DIMENSIONS: mm                         |  | CHK 20AUG2019<br>Roger Song  |  |  |  |
|  |  | TOLERANCES UNLESS OTHERWISE SPECIFIED:   |  | NAME<br>RF CA, PC N M TO PC N M, 18GHz                     |  |
|  |  | 0 PLC ±0.1<br>1 PLC ±0.1<br>2 PLC ±0.01<br>3 PLC ±0.001<br>4 PLC ±0.0001<br>ANGLES ± |  | PRODUCT SPEC   |  |
| MATERIAL TBD                           |  | FINISH -   |  | APPLICATION SPEC -   |  |
| -                                      |  | finish_spec_2  |  | WEIGHT -   |  |
|  |  | CUSTOMER DRAWING   |  | SIZE A3 CAGE CODE 00779 DRAWING NO C-2016658 RESTRICTED TO |  |
|  |  |  |  | SCALE 1:3 SHEET 1 OF 1 REV 1                               |  |