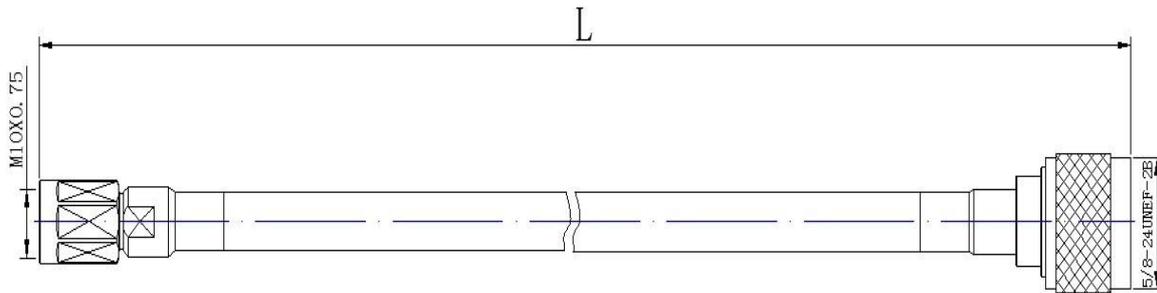


Part number	25-1K1312875/XX
Description	3/8" Superflex cable NM-X10-3/8SCF-Lm
Revision	1
Date	09/07/19

Graphics



- | | |
|--|---|
| 1. Cable Type | 3/8 superflex cable |
| 2. Cable Length | Lm |
| a. Inner Conductor | Copper-Clad Aluminum Wire |
| b. Dielectric | Physical Foam Polyethylene |
| c. Outer Conductor | Corrugated Copper Tube |
| d. Jacket | PE(Black) |
| 3. Connectors | RF50 38S |
| a. Connector | X10 MALE / N MALE |
| b. Inner Conductor Pin | Brass/Silver Plating / Brass/Silver Plating |
| c. Body & Outer Conductor Plating | Brass/CuSnZn Plating / Brass/CuSnZn |
| d. Insulator | PTFE / PTFE |
| e. Gasket | Silicone Rubber / Silicone Rubber |
| f. Nut | Brass/Nickel Plating / Brass/Nickel Plating |

Electrical properties

- | | |
|---|----------------------------------|
| 1. Characteristic impedance, Ω | 50 |
| 2. Frequency Range | DC~3.7GHz |
| 3. Insulation resistance, $M\Omega$ | ≥ 5000 |
| 4. Dielectric Withstanding Voltage | 2500V rms (DC) |
| 5. Operating Voltage | 1000V rms |
| 6. Insertion Loss | @DC-3.7 GHz $\leq 0.44*L+0.2$ dB |
| 7. VSWR | @DC-3.7 GHz ≤ 1.17 |
| 8. PIM | ≤ -160 |

Environmental and Mechanical properties

- | | |
|--|---|
| 1. Durability (matings) | ≥ 500 cycles |
| 2. Mechanical Shock Test Method | MIL-STD-202, Method 213, Test Condition D |
| 3. Vibration Test Method | MIL-STD-202, Meth. 204, Cond. A |
| 4. Temperature Range | -40°C to +85°C |
| 5. RoHS | Compliant |
| 6. Sealing Class | IP67 |

The facts and figures contained herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only.