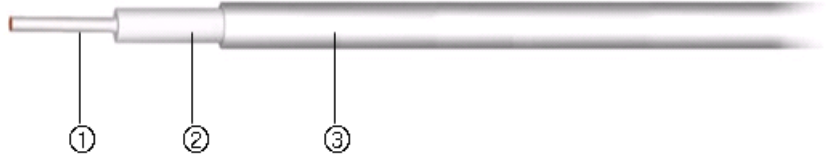


For information only

● General Information

- Technical Basis MIL-C-17/130
- Max. Operating Voltage Max. 1900Vrms
- Operating Temperature Range - 40°C ~ 125°C

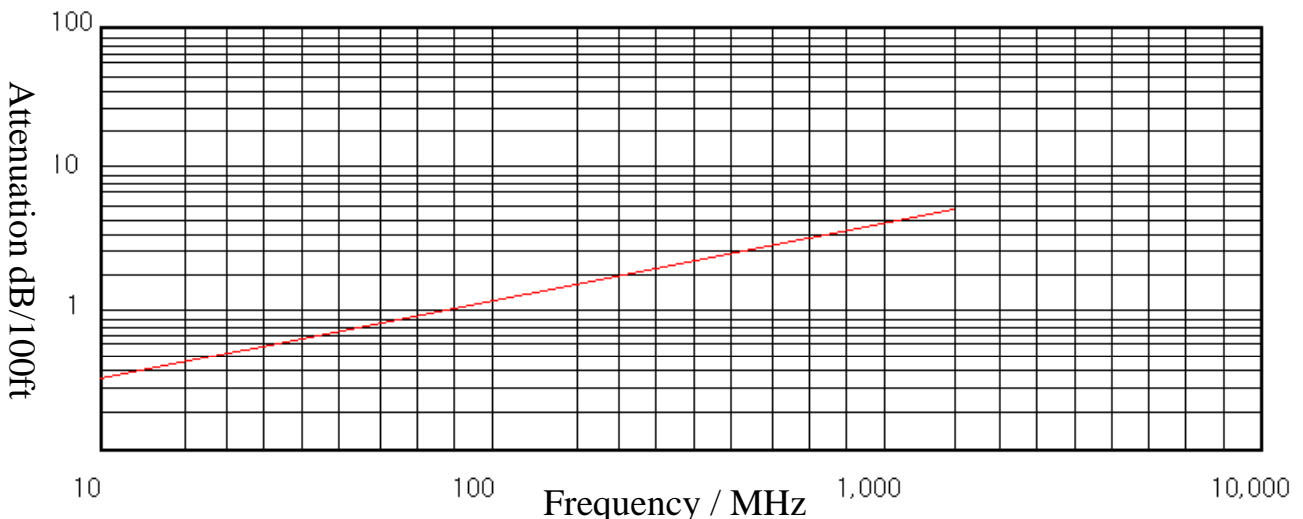
● Physical Structure



| Component | Material | Diameter | Notice |
|--------------------|-------------|-------------------|---------------|
| ① Center conductor | SPCW | 0.92mm(0.036inch) | Solid type |
| ② Dielectric | PTFE(Solid) | 2.98mm(0.117inch) | |
| ③ Outer Shield | TC(Tube) | 3.58mm(0.141inch) | 100% Coverage |

● Electrical Data

| Item | Specification | Remarks |
|--------------------------|---|--|
| Operating frequency | Max. 20 GHz | |
| Conductor resistance | Max. 2.06 Ω / 100ft | at 20°C |
| Dielectric resistance | Min. 1000 MΩ.km | at 20°C |
| Test voltage | 5000Vrms | 1 min |
| Velocity of propagation | Nom. 69.5% | |
| Capacitance | Max. 29.9 pF/ft | |
| Characteristic impedance | 50 ± 2Ω | |
| Approx. weight | 46.7 kg/km | |
| Nom. Attenuation | 8.0dB/100ft(0.26dB/m) 12.0dB/100ft(0.39dB/m) 21.0dB/100ft(0.69dB/m) 29.0dB/100ft(0.95dB/m) 45.0dB/100ft(1.48dB/m) 70.0dB/100ft(2.30dB/m) | at 500MHz at 1MHz at 3GHz at 5GHz at 10GHz at 20GHz |



1 2 3 4 5 6

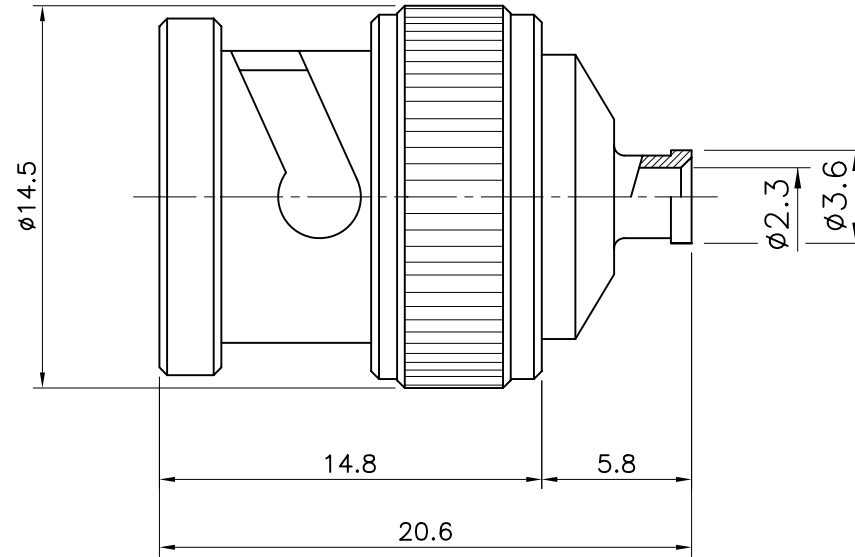
| No. | Revision | Date | Name |
|-----|----------|------|------|
| △ | | | |
| △ | | | |

D

C

B

A



| Connector parts | Materials | Finish |
|-----------------|-----------|---------------|
| Coupling Cap | Brass | Nickel Plated |
| Body | Brass | Nickel Plated |
| Center contact | Brass | Gold Plated |
| Ferrule | Brass | Nickel Plated |
| Insulator | PTFE | - |

BNC-Straight-PLUG
for Cable-UT085

CUSTOMER

| NO. | DESCRIPTION | Q'TY | MATERIAL | FINISH | REMARKS. |
|-----------|-------------|-------------------------------------|------------|------------|----------------------|
| PARTS No. | 1B-101-00 | | NAME | BNC-SP-085 | APPROVED |
| MATERIAL | FINISH | TOLERANCES OTHERWISE SPEC. ±0.05 | | ANGLES ±1° | CHECKED |
| | | SCALE | UNIT mm | | DESIGNED S.J.LEE |
| | | DWG NO. | 1B-101-00 | | DATE. 15/DEC/2008 |

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