

| MPN | Cable length (m) | Insertion loss (dB) |
|------------------|------------------|---------------------|
| SY12SDMWDMAW-6M | 6 | 1.37 |
| SY12SDMWDMAW-10M | 10 | 2.15 |
| SY12SDMWDMAW-15M | 15 | 3.12 |
| SY12SDMWDMAW-20M | 20 | 4.09 |

REFERENCE STANDARD

IEC61169-4

1.ELECTRIC PERFORMANCE

| | |
|---------------------------|-----------------------|
| NOMINAL IMPEDANCE (Ω) | 50 |
| FREQUENCY RANGE | DC-3GHz |
| VSWR | ≤1.3 |
| PIM(2*43dBm)(dBc) | ≤-159 |
| INSERTION LOSS (dB) | ≤0.1945*L+0.2(2.7GHz) |
| INSULATION RESISTANCE(MΩ) | ≥5000 |
| PROOF VOLTAGE (V) | 1000 |

2.MECHANICAL PERFORMANCE


| | |
|-----------------------------------|---------|
| NUT TORQUE | 25N • m |
| TORSION(CABLE-CONNECT) | 3N • m |
| TENSILE FORCE(CABLE-CONNECT) | 350N |
| MINIMUM BEND RADIUS,REPEATED BEND | 40mm |
| NUMBER OF BENDS,MINIMUM | 15 |
| CABLE LENGTH | L(m) |

3.MATERIAL AND PLATING

| | | |
|-----------------|---------------|-----------------------|
| OUTER CONDUCTOR | BRASS | Copper-tin-zinc 2 μ m |
| INNER CONDUCTOR | SPRING COPPER | Ag 5 μ m |
| CABLE | NFL-50-12S-PE | |

4.ENVIRONMENT

| | |
|------------------------|------------------|
| TEMP.RANGE | -40℃~+85℃ |
| THERMAL SHOCK | IEC60068-2-14-Na |
| WATERPROOFING STANDARD | IP67 |
| ROHS COMPLIANT | |

| | | | | | | | |
|------------------------|--|---------------------------------|--|--|-------------------------------------------------------------------------------------------------------------------------------------|--|--|
| DRAWN Wu Danna | | TITLE SY12SDMWDMAW | | |  DRAWING NO. SY12SDMWDMAW VER 0 REV 0 | | |
| CHECKED Zhang Qing | | SHEET 1/1 SCALE METRIC mm | | | | | |
| APPROVED Dai Suling | | PART NO. SY12SDMWDMAW | | | | | |