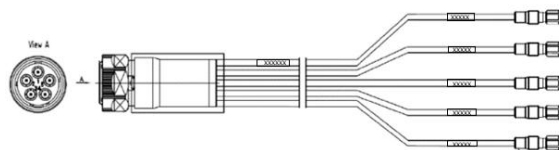


# PR-MQ5M-1301-XM-XXXX

RF cable assembly MQ5 male to NEX10 male

**PROSE**

- High flexible cable, easy to take and install
- High density cluster, less space request on the antenna panel
- Working frequency up to 4GHz
- Good VSWR and Intermodulation performance



## Part number

|                                    |                                       |
|------------------------------------|---------------------------------------|
| PR-MQ5M-1301-XM-XXXX               | Cable assembly MQ5 male to NEX10 male |
| *XXXX indicate the length, unit mm |                                       |

## Part list

|                 |                               |
|-----------------|-------------------------------|
| Connector       | MQ5 male, NEX10 male          |
| Cable           | 1/3" super flexible PE jacket |
| Bend protection | Molding or heat shrink        |
| Label           | Wrap sticker                  |

## Port assignment

| MQ5 Port No. | Cable No. | Label content |
|--------------|-----------|---------------|
| 1            | X1        | R+            |
| 2            | X2        | CR+           |
| 3            | X3        | CL+           |
| 4            | X4        | L+            |
| 5            | X5        | CAL           |

## Electrical data

|                                 |                      |
|---------------------------------|----------------------|
| Characteristics impedance       | 50Ω                  |
| Frequency                       | DC to 4GHz           |
| Insulation resistance           | ≥5000MΩ              |
| Dielectric withstanding voltage | 1000V rms            |
| Operating voltage               | 500V rms             |
| Insertion loss                  | ≤0.26*L+0.20dB @3GHz |
|                                 | ≤0.30*L+0.22dB @4GHz |
| VSWR                            | ≤1.15 @ DC-3GHz      |
|                                 | ≤1.20 @ 3-4GHz       |
| Intermodulation 3rd (2x43dBm)   | ≤-155dBc @1800MHz    |

## Mechanical data

|                                   |                           |
|-----------------------------------|---------------------------|
| Cable tensile resistance          | ≥450N                     |
| Torque proof                      | 25 to 30N.m @MQ5 male     |
|                                   | 1.3 to 1.8N.m @NEX10 male |
| Min. Bending radius, 1/4"S single | 30mm, single time         |
|                                   | 55mm, multi-times         |

## Environment

|                     |                                  |
|---------------------|----------------------------------|
| Working temperature | -40°C to +85°C                   |
| IP protection       | IP67, mated pair, 1m, 1.5H, 20°C |
| RoHS                | Compliant                        |

### Notice

While using in outdoor application, the connection should be covered with addition weatherproof kits for long time duration.

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