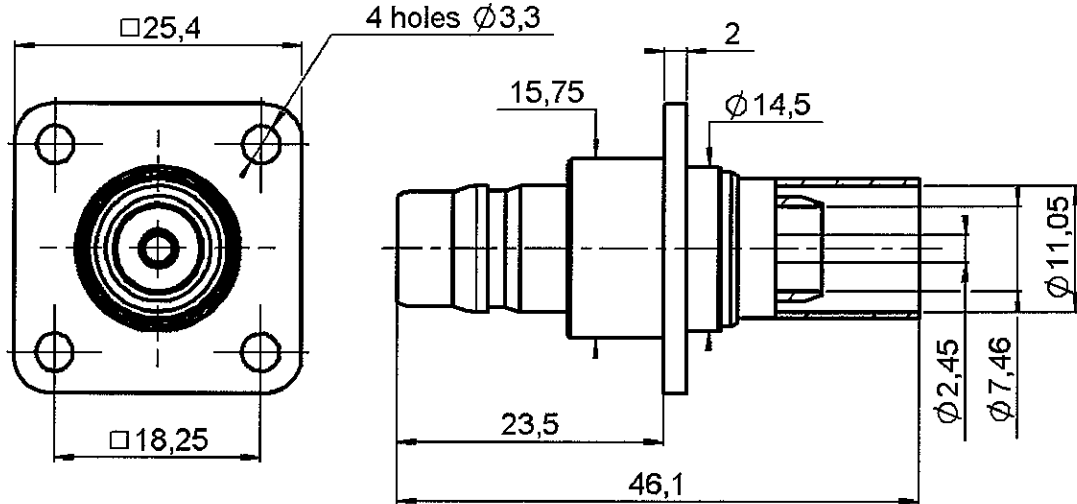


STRAIGHT FLANGE JACK CRIMP TYPE

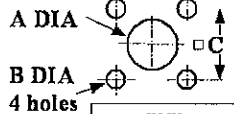
R164.286.000

CABLE 10/50 S

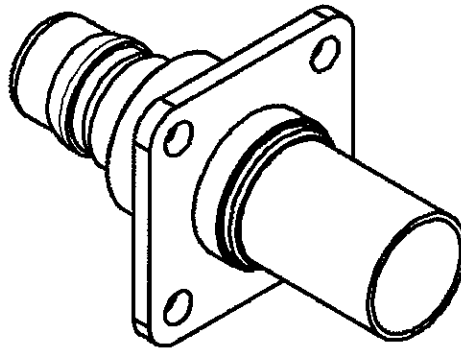
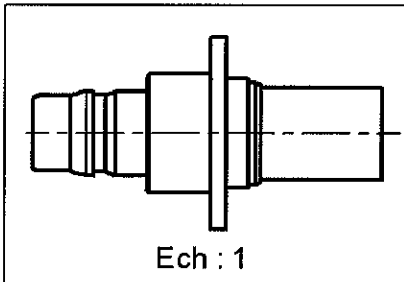
Series : QN



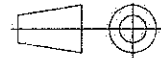
PANEL CUT OUT



| | mm | |
|---|-------|-------|
| | Maxi | mini |
| A | 16.3 | 16.1 |
| B | 3.3 | 3.2 |
| C | 18.35 | 18.15 |



All dimensions are in mm.



| COMPONENTS | MATERIALS | PLATINGS (µm) |
|----------------|------------------|-------------------------------------|
| BODY | BRASS | BBR-0.5 OVER SILVER 3 |
| CENTER CONTACT | BERYLLIUM COPPER | SILVER 5 PASSIVATED OVER COPPER 0.5 |
| OUTER CONTACT | | |
| INSULATOR | PTFE | |
| GASKET | - | |
| OTHERS PARTS | BRASS | BBR 2 |
| - | - | |
| - | - | |

Issue : 0505 B

In the effort to improve our products, we reserve the right to make changes judged to be necessary.



STRAIGHT FLANGE JACK CRIMP TYPE

R164.286.000

CABLE 10/50 S

Series : QN

PACKAGING

| Standard | Unit | Other |
|----------|------------|------------|
| 50 | 'W' option | Contact us |

SPECIFICATION

ELECTRICAL CHARACTERISTICS

| | | | |
|---------------------------------|--------|-------|-------------------|
| Impedance | | 50 | Ω |
| Frequency | | 0-6* | GHz |
| VSWR | 1.05 + | 0.025 | x F(GHz) Maxi |
| Insertion loss | | 0.048 | √F(GHz) dB Maxi |
| RF leakage | - (| ** | - F(GHz)) dB Maxi |
| Voltage rating | | 1000 | Veff Maxi |
| Dielectric withstanding voltage | | 2500 | Veff mini |
| Insulation resistance | | 5000 | MΩ mini |

CABLE ASSEMBLY

| Stripping | a | b | c | d | e | f |
|-----------|------|------|------|------|------|------|
| mm | 5.00 | 8.00 | 14.0 | 0.00 | 9.00 | 0.00 |

Assembly instruction : **Crimp 02**

Recommended cable(s)
KX 4
RG 165
RG 213

Characteristics indicated on this data sheet are those that can be achieved with the highest performance cable. Intrinsic limitations of the cable may diminish the performance of the assembly

Cable retention

- pull off **300 N mini**
- torque **NA N.cm**

MECHANICAL CHARACTERISTICS

| | | | |
|----------------------------|--|----|-----------|
| Center contact retention | | | |
| Axial force – Mating end | | 68 | N mini |
| Axial force – Opposite end | | 68 | N mini |
| Torque | | NA | N.cm mini |

| | | | |
|--------------------|--|-------|------|
| Recommended torque | | | |
| Mating | | NA | N.cm |
| Panel nut | | NA | N.cm |
| Clamp nut | | NA | N.cm |
| A/F clamp nut | | 0.000 | mm |

| | | | |
|-------------|--|--------|-------------|
| Mating life | | 100 | Cycles mini |
| Weight | | 35.170 | g |

TOOLING

| Part Number | Description | Hexagon |
|--------------|---------------|--------------|
| R282.231.000 | CRIMPING TOOL | 2.54 - 10.54 |
| R282.235.116 | CRIMPING DIES | 2.54 - 10.54 |
| R282.293.000 | CRIMPING TOOL | - |

OTHERS CHARACTERISTICS

* usable 0-11GHz
** Connector only : -90dB DC<F<3GHz
-80dB min 3<F<6GHz

ENVIRONMENTAL

| | | | |
|-----------------------|--|----------|-----------|
| Operating temperature | | -55/+125 | °C |
| Hermetic seal | | NA | Atm.cm3/s |
| Panel leakage | | - | |

Issue : 0505 B

In the effort to improve our products, we reserve the right to make changes judged to be necessary.



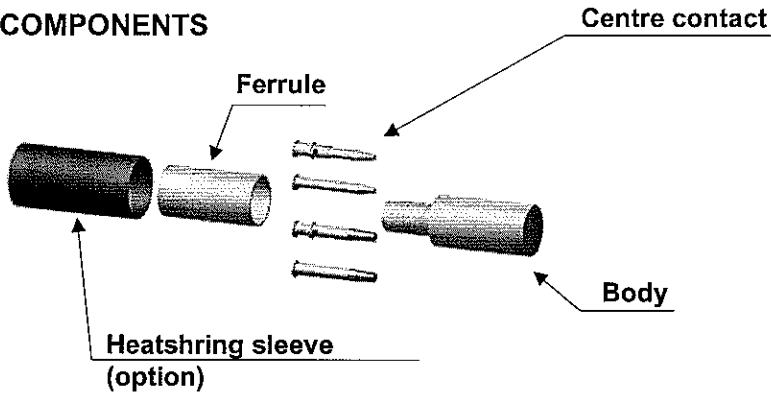
PRELIMINARY

Crimp 02 : Full crimp

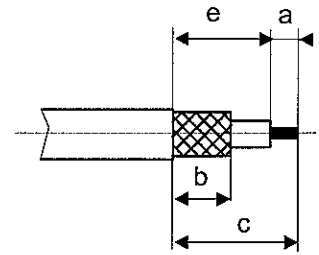


A world of interconnect solutions

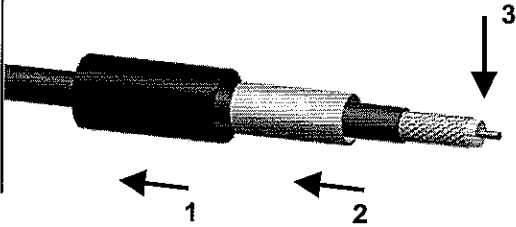
COMPONENTS



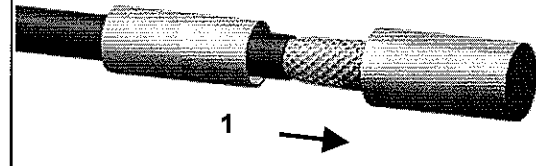
STRIPPING DIMENSIONS



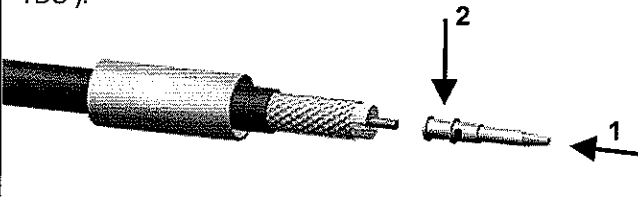
1
Slide the heatshrink sleeve onto the cable (Option).
Slide the ferrule onto the cable.
Strip the cable.



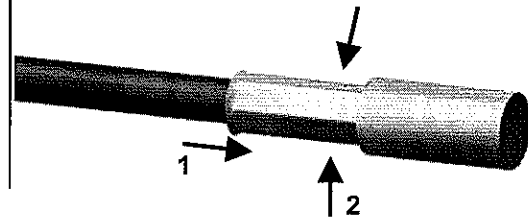
4
Slide the cable into the body until it bottoms against insulator.



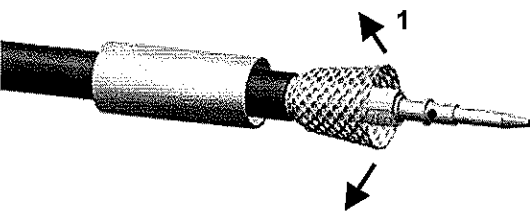
2
Slide the centre contact on until it bottoms against the cable dielectric.
Crimp the centre contact with crimping tool (see connector TDS).



5
Slide the ferrule over the braid.
Crimp the ferrule with crimping tool (see connector TDS).



3
Fan the braid.



6
Cut the excess of braid if necessary.
Slide the sleeve over the ferrule and heatshrink it in place (Option).

