

HUBER+SUHNER® DATA SHEET

Coaxial Cable Connector: 11_BNC-75-4-3/133_N



Description

Straight cable plug for flexible cable

Interface standards

IEC 60169-8_MIL-STD-348A/301_CECC 22120

Technical Data

Electrical Data

Impedance 75 Ω
Interface frequency max. 1 GHz

Mechanical Data

Centre contact soldered
Outer contact clamped
Weight 0.0155 kg

Environmental Data

Operating Temperature -65 °C to 165 °C
2002/95/EC (RoHS) compliant

Material Data

Piece Parts

| | |
|----------------|-----------------------|
| Centre contact | Brass |
| Outer contact | Brass |
| Body | Brass |
| Insulator | PFA / PTFE |
| Coupling nut | Brass |
| Gasket | MVQ (Silicone Rubber) |

Surface Plating

| |
|-----------------------------------|
| Gold Plating (Nickel underplated) |
| SUCOPLATE (R) Plating |
| SUCOPLATE (R) Plating |
| SUCOPLATE (R) Plating |

Related Documents

| | |
|----------------------|----------------|
| Outline drawing | DOU-00071520 |
| Catalogue drawing | DOU-00006639 |
| Assembly instruction | DOC-0000179064 |

Ordering Information

Single package 11_BNC-75-4-3/133_NE

Additional Information

Suitable cables RG_59_B/U, GX_04273



HUBER+SUHNER is certified according to ISO 9001 and ISO 14001

WAIVER!

It is exclusively in written agreements that we provide our customers with warrants and representations as to the technical contained specifications and/or the fitness for any particular purpose. The facts and figures herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only.



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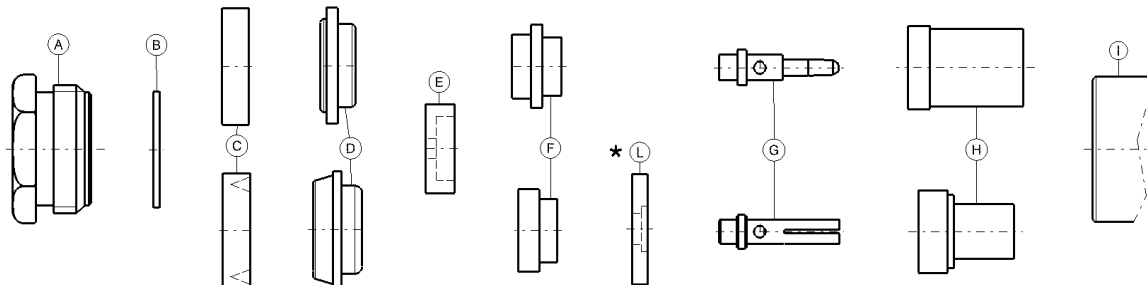
HUBER+SUHNER – Excellence in Connectivity Solutions

Assembly instruction Series BNC 0000179064



| | | | |
|-------------------------|--|---------------------------------|----------|
| Connector type: | 11_BNC-50-2-1, 11_BNC-50-3-5, 24_BNC-50-4-3 | Inner conductor contact: | soldered |
| Suitable cables: | RG_188 A/U, RG_223 / U, RG_302 / U | Outer conductor contact: | screwed |

Parts list connector:



Assembly steps:

* only for 24_BNC... and 24_TNC...

| Picture | Process | Feature / Check | Tools required | | | | | | | | | | | | | | | | | | |
|-----------------------|---|---|--------------------------------|-------------|---------|---------------|---|---------|---------------|---|---------|---------------|---|---------|---------------|-----|---------|---------------|----|---|----------------------------------|
| | <p>Slide nut A, washer B and gasket C onto cable. Prepare cable according to picture. Armoured cables: Slide two-piece FK-armour-clamp on cable instead of nut A. Remove 26.5 mm of armour.</p> | <p>CAUTION: Do not damage braid and inner conductor of cable!</p> | <p>Stanley blade, scissors</p> | | | | | | | | | | | | | | | | | | |
| | <p>Position braid clamp D that its shoulder fits against cable sheath.</p> | | | | | | | | | | | | | | | | | | | | |
| | <p>Fold back braid over clamp D. Position bushing E, insulator F and gasket L. Solder contact G</p> | <p>CAUTION: Position of gasket L as shown in picture!</p> | <p>Soldering iron, solder</p> | | | | | | | | | | | | | | | | | | |
| | <p>Push prepared cable into connector body I, with front part of insulator H, and tighten nut A (see table).</p> <table border="1"> <thead> <tr> <th>Cable dielectric size</th> <th>Description (e.g.)</th> <th>Torque (Nm)</th> </tr> </thead> <tbody> <tr> <td>...1...</td> <td>11_BNC-50-1-1</td> <td>2</td> </tr> <tr> <td>...2...</td> <td>11_BNC-50-2-1</td> <td>3</td> </tr> <tr> <td>...3...</td> <td>11_BNC-50-3-5</td> <td>4</td> </tr> <tr> <td>...4...</td> <td>24_BNC-50-4-3</td> <td>5.5</td> </tr> <tr> <td>...5...</td> <td>11_BNC-75-5-8</td> <td>10</td> </tr> </tbody> </table> <p>Armoured cables: Finally screw on and tighten armour clamp.</p> | Cable dielectric size | Description (e.g.) | Torque (Nm) | ...1... | 11_BNC-50-1-1 | 2 | ...2... | 11_BNC-50-2-1 | 3 | ...3... | 11_BNC-50-3-5 | 4 | ...4... | 24_BNC-50-4-3 | 5.5 | ...5... | 11_BNC-75-5-8 | 10 | <p>Do not rotate cable in connector body!</p> | <p>Spanner 11mm (74_Z-0-0-2)</p> |
| Cable dielectric size | Description (e.g.) | Torque (Nm) | | | | | | | | | | | | | | | | | | | |
| ...1... | 11_BNC-50-1-1 | 2 | | | | | | | | | | | | | | | | | | | |
| ...2... | 11_BNC-50-2-1 | 3 | | | | | | | | | | | | | | | | | | | |
| ...3... | 11_BNC-50-3-5 | 4 | | | | | | | | | | | | | | | | | | | |
| ...4... | 24_BNC-50-4-3 | 5.5 | | | | | | | | | | | | | | | | | | | |
| ...5... | 11_BNC-75-5-8 | 10 | | | | | | | | | | | | | | | | | | | |

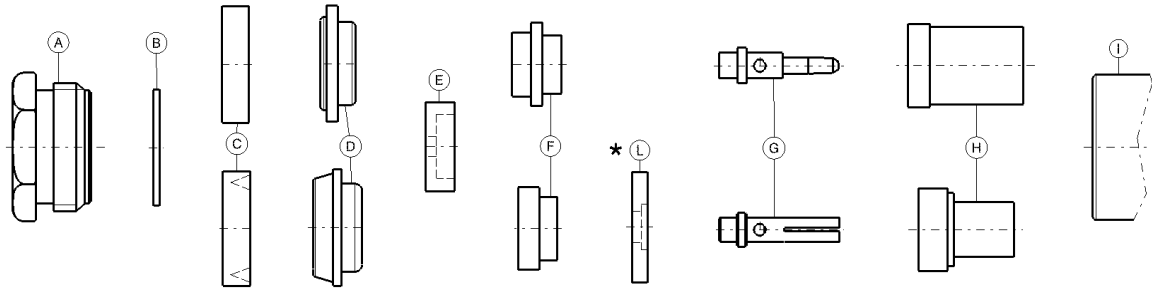
The cable assembly of R.F. connectors can only be done by well trained assembly staff and suitable assembly equipment. Huber+Suhrner's skilled staff and specialised equipment are available to carry out complete R.F. lead-assembly on your behalf. We mount your connectors on cables at economic prices! Please contact our representative for further details of this service.

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|-----------|------------|
| Revisio | D |
| Date | 04.03.2008 |
| Initiator | 4726/Bom |



| | | | |
|-------------------------|--|-----------------------------------|------------|
| Verbinder-Typ: | 11_BNC-50-2-1, 11_BNC-50-3-5, 24_BNC-50-4-3 | Innenleiter Kontaktierung: | gelötet |
| Geeignete Kabel: | RG_188 A/U, RG_223 / U, RG_302 / U | Aussenleiter | geschraubt |

Stückliste Verbinder:



Montage Schritte:

* Nur für 24_BNC... und 24_TNC...

| Bild | Prozess | Merkmal / Prüfung | Werkzeuge | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|-----------------------------------|------------------|-----------------|---------|---------------|---|---------|---------------|---|---------|---------------|---|---------|---------------|-----|---------|---------------|----|---|----------------------------------|
| | Nippel A, Scheibe B und Dichtung C auf Kabel schieben, Kabel gemäss Bild abisolieren. Armierter Kabel: Zweiteilige FK-Armierungsklemme anstelle des Nippels A auf Kabel schieben. Armierung 26.5 mm zurückschneiden. | ACHTUNG: Abschirmung und Innenleiter nicht beschädigen! | Stanley Messer, Schere | | | | | | | | | | | | | | | | | | | |
| | Ring D sorgfältig über Abschirmung bis an den Mantel stossen. | | | | | | | | | | | | | | | | | | | | | |
| | Abschirmung zurückstülpen. Pressring E, Isolator F und Dichtung L aufsetzen. Innenleiter löten | Auf Position der Dichtung L achten. Freistellung zeigt gegen Innenleiter! | LötKolben, Lot | | | | | | | | | | | | | | | | | | | |
| | Vorbereitetes Kabel in Gehäuse I mit Isolator H einführen. Nippel A einschrauben und fest anziehen (siehe Tabelle). | <table border="1"> <thead> <tr> <th>Kabeldielektrikums-\varnothing</th> <th>Verbinder (e.g.)</th> <th>Drehmoment (Nm)</th> </tr> </thead> <tbody> <tr> <td>...1...</td> <td>11_BNC-50-1-1</td> <td>2</td> </tr> <tr> <td>...2...</td> <td>11_BNC-50-2-1</td> <td>3</td> </tr> <tr> <td>...3...</td> <td>11_BNC-50-3-5</td> <td>4</td> </tr> <tr> <td>...4...</td> <td>24_BNC-50-4-3</td> <td>5.5</td> </tr> <tr> <td>...5...</td> <td>11_BNC-75-5-8</td> <td>10</td> </tr> </tbody> </table> | Kabeldielektrikums- \varnothing | Verbinder (e.g.) | Drehmoment (Nm) | ...1... | 11_BNC-50-1-1 | 2 | ...2... | 11_BNC-50-2-1 | 3 | ...3... | 11_BNC-50-3-5 | 4 | ...4... | 24_BNC-50-4-3 | 5.5 | ...5... | 11_BNC-75-5-8 | 10 | Kabel im Verbindergehäuse nicht drehen! | Gabelschlüssel 11mm (74_Z-0-0-2) |
| Kabeldielektrikums- \varnothing | Verbinder (e.g.) | Drehmoment (Nm) | | | | | | | | | | | | | | | | | | | | |
| ...1... | 11_BNC-50-1-1 | 2 | | | | | | | | | | | | | | | | | | | | |
| ...2... | 11_BNC-50-2-1 | 3 | | | | | | | | | | | | | | | | | | | | |
| ...3... | 11_BNC-50-3-5 | 4 | | | | | | | | | | | | | | | | | | | | |
| ...4... | 24_BNC-50-4-3 | 5.5 | | | | | | | | | | | | | | | | | | | | |
| ...5... | 11_BNC-75-5-8 | 10 | | | | | | | | | | | | | | | | | | | | |
| | Armierter Kabel: Zuletzt Armierungsklemmen festziehen. | | | | | | | | | | | | | | | | | | | | | |

Die Montage von HF-Verbindern kann nur durch geschultes Personal, das über die richtige Ausrüstung verfügt, erfolgen. Huber+Suhr verfügt über ausgebildete Fachkräfte und rationelle Einrichtungen zur Herstellung kompletter HF-Verbindungsleitungen. Wir montieren Ihre Verbinder zu wirtschaftlichen Preisen! Wenden Sie sich an unsere Vertreter.

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| Erstellt | 4726/Bom |