



1/2" Hiflex Coaxial Connectors



| ITEM NUMBER | DESCRIPTION |
|--------------|------------------------------------|
| NM50B12X | N-male, O-ring |
| NM50BL12X | N-male, right angle, O-ring |
| NF50B12X | N-female, O-ring |
| 7/16M50B12X | 7/16 DIN male, O-ring |
| 7/16M50BL12X | 7/16 DIN male, right angle, O-ring |
| 7/16F50B12X | 7/16 DIN female, O-ring |

For factory connector attachment, see Jumper Section, page 29.

ELECTRICAL

- Nominal impedance, Ω 50
- Return loss @ 2.5 GHz, dB -35
- 3rd order intermodulation product, dBc -163
- Temperature range -40°F to +140°F (-40°C to +60°C)
- Water immersion testing IP67 & IP68
- Materials
 - External parts Passivated silver plated or electroless nickel plated brass
 - Outer contact Passivated silver plated brass
 - Inner contact Passivated silver plated Cu-Be
 - Dielectric TXP / PTFE
 - O-rings Silicone rubber

ACCESSORIES

For complete accessory, refer to Eupen Site Steel & Accessory Catalog.

| DESCRIPTION | ITEM NUMBER |
|-------------|-------------|
|-------------|-------------|

Tools (See Tool Section page 47)

- | | |
|--|--------------|
| Cable Prep Tool | SPTC50B12X |
| Cable Prep Tool Right Angle Connectors | SPTC50BL12X |
| Torque Wrench, Back Nut | TQ-34-F15 |
| Torque Wrench, 7/16 DIN Coupler | TQ-114-F18-M |



INSTALLATION INSTRUCTION

50 Ohm CONNECTORS

Kabelwerk **EUPEN** AG

E1031 Rev.05/2011-04-14

cable

1/2" X (1/2" HIFLEX) - right angle connectors



| | |
|-------|-------------|
| | |
| 1/2"X | SPTC50BL12X |

| | | |
|--|---------------|-----------------------|
| | NM | 7/16M |
| | 19 mm & 23 mm | 19 mm & 23 mm & 32 mm |



PREPARATION TOOL METHOD

1. Stripping the cable jacket.

2. Stripping the inner insulation with SPTC50BL12X.

3. Stripping dimensions: 11 mm (0.429") and 12 mm (0.468").

4. Stripping with 3M: F 04/013 abrasive.

5. Cleaning the conductors.

6. Inserting the conductors into the connector, 7 mm (0.27") deep, until a click is heard.

7. Tightening the connector.

8. Final check of the connection.

9. Torque specification: 27 Nm (20 ft-lb).

10. Final assembly.

Preparation drawing: 1:1

For any questions please contact KABELWERK EUPEN AG / for US Customer service call 1-800-419-5100

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50 Ohm CONNECTORS

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E1031 Rev.05/2011-04-14

cable

1/2" X (1/2" HIFLEX) - right angle connectors



| | |
|-------|-------------|
| | |
| 1/2"X | SPTC50BL12X |

| | | |
|--|---------------|-----------------------|
| | NM | 7/16M |
| | 19 mm & 23 mm | 19 mm & 23 mm & 32 mm |



PREPARATION TOOL METHOD

- Strip the cable jacket with a utility knife.
- Strip the outer insulation with the SPTC50BL12X tool.
- Strip the inner insulation to 11 mm (0.429") and 12 mm (0.468").
- Strip the braid with 3M F 04/013 abrasive.
- Strip the inner insulation to 7 mm (0.27").
- Insert the inner conductor into the connector and click it into place.
- Insert the braid into the connector and click it into place.
- Insert the outer conductor into the connector and click it into place.
- Tighten the connector to 27 Nm (20 ft-lb).
- Final view of the prepared connector.

Preparation drawing: 1:1

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