**MWX3 SERIES**

Cable assemblies for equipment wiring.

The MWX3 series cable assemblies use a porous PTFE dielectric material to ensure excellent phase stability against temperature fluctuations.

(Continuous operating temperature range: -65 °C to 125 °C (30 °C to 85 °C for MWX315))

---

### MWX3 Series typical insertion loss

![Graph showing typical insertion loss for MWX3 Series cables.]

**Frequency (GHz)**

**Typical insertion loss (dB)**

- MWX311: 18.5 GHz
- MWX312: 18.5 GHz
- MWX314: 18.0 GHz
- MWX315: 18.0 GHz
- MWX321: 26.5 GHz
- MWX322: 26.5 GHz
- MWX341: 40.0 GHz
- MWX342: 40.0 GHz

---

### Simple criteria for cable selection

- **Insertion loss**: The larger the cable outer diameter, the lower the insertion loss.
- **Frequency range**: The smaller the cable, the higher the frequency range.
- **Power rating**: The larger the cable outer diameter, the higher the power rating.
- **Flexibility**: The smaller the cable, the better the flexibility.
- **Mass**: The smaller the cable, the lighter the cable.

---

### Connector compatibility

<table>
<thead>
<tr>
<th>Cable type</th>
<th>18.5 GHz</th>
<th>26.5 GHz</th>
<th>40.0 GHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>MWX311</td>
<td>18.5 GHz</td>
<td>26.5 GHz</td>
<td>40.0 GHz</td>
</tr>
<tr>
<td>MWX312</td>
<td>18.5 GHz</td>
<td>26.5 GHz</td>
<td>40.0 GHz</td>
</tr>
<tr>
<td>MWX314</td>
<td>18.5 GHz</td>
<td>26.5 GHz</td>
<td>40.0 GHz</td>
</tr>
<tr>
<td>MWX315</td>
<td>18.5 GHz</td>
<td>26.5 GHz</td>
<td>40.0 GHz</td>
</tr>
<tr>
<td>MWX321</td>
<td>26.5 GHz</td>
<td>26.5 GHz</td>
<td>40.0 GHz</td>
</tr>
<tr>
<td>MWX322</td>
<td>26.5 GHz</td>
<td>26.5 GHz</td>
<td>40.0 GHz</td>
</tr>
<tr>
<td>MWX341</td>
<td>40.0 GHz</td>
<td>40.0 GHz</td>
<td>40.0 GHz</td>
</tr>
<tr>
<td>MWX342</td>
<td>40.0 GHz</td>
<td>40.0 GHz</td>
<td>40.0 GHz</td>
</tr>
</tbody>
</table>

---

### Bending test data of MWX312

**Test method**

The connector on one end of test cable (MWX312-0500AMSAMS, measuring 500 mm in length and with SMA (m) connectors on both ends) was fixed in place. The connector on the other end was moved in the sequence a → b → c, after which initial insertion loss and return loss values were compared to those after the test.

**MWX312-0500AMSAMS**

---

### How to select

- Choose a suitable connector for your measuring instrument.
- Select a connector that can handle the maximum operating frequency.
- The larger the connector, the higher the power rating.

---

**Power rating**

The diagram to the right shows the relationship between frequency and power rating.

The values are calculated at 25 °C and at sea level.

The power rating will need to be corrected for different ambient temperatures and altitudes. Power ratings may decrease, depending on the connector selected.

*The above figures are measured values for reference only.*

---

**MWX3 Structure**

- **Non- armored type**
- **Lightweight armored type (for fixed wiring)**

---

**Cable Structure**

- **Non- armored type**
- **Lightweight armored type (for fixed wiring)**

---

**Cable Structure**

- **Center conductor**
- **Dielectric**
- **1st outer conductor**
- **2nd outer conductor**
- **Sheath**
- **Armored**
- **Braid**
- **Sheath**

---

**Simple criteria for connector selection**

- Choose a suitable connector for your measuring instrument.
- The smaller the connector, the higher the maximum operating frequency.
- The larger the connector, the higher the power rating.
MWX 3 SERIES

MWX 311

Property

Electrical properties
- Maximum operating frequency: 18.5 GHz
- Characteristic impedance: 50±1 Ω
- Capacitance (typ): 86 pF/m
- Propagation delay (typ): 4.25 ns/m
- Reflection coefficient (max): 7.9 %
- Attenuation (max): 75.0 GHz
- Life expectancy: 100,000 insertions
- Moisture resistance (95% RH/85 °C): 3.4 dB/m

Mechanical properties
- Cable outer diameter: 2.7 mm
- Minimum bending radius: 10 mm
- Maximum tensile strength: 29.4 N (3kgf)
- Cable mass (typ): 18.5 g/m
- Continuous operational temperature range: −65° +125 °C
- Assembly length: 100~10,000 mm

Order form example

Example 1 MWX311
- Assembly length: 1,000 mm
- Connector 1: SMA (m)/straight
- Connector 2: SMA (f)/straight

Catalog No. MWX311-010DAMAWSM

Example 2 MWX311
- Assembly length: 1,500 mm
- Connector 1: SMA (m)/straight
- Connector 2: SMA (m)/right angle

Catalog No. MWX311-015DADAMSAR

Technical Data

Cable typical insertion loss

MWX311 Phase change vs. temperature

Connector

SMA (m)/straight (Code: AMI)
- Maximum operating frequency: 18.5 GHz
- Maximum insertion loss: 0.2 dB

SMA (f)/straight (Code: AF5)
- Maximum operating frequency: 18.5 GHz
- Maximum insertion loss: 0.2 dB

SMA (m)/right angle (Code: AMR)
- Maximum operating frequency: 18.5 GHz
- Maximum insertion loss: 0.2 dB

SSMA (m)/straight (Code: SM5)
- Maximum operating frequency: 18.5 GHz
- Maximum insertion loss: 0.2 dB

- Please see p.42 about "customer-specified swept and right angle connectors".

General Assembly

Information

MWX 0
MWX 1
MWX 2
MWX 3
MWX 4
MWX 5
MWX 6

Technical Data

- The cable was measured in vibration every 30 °C from
- 48 °C 1 hour after the temperature changed.

Options

We have the capacity to deliver products with matched phases for customers who require this characteristic.
MWX3 SERIES

MWX 312

**Property**

**Electrical properties**
- Maximum operating frequency: 18.5 GHz
- Characteristic impedance: 50±1 Ω
- Capacitance (typical): 85 pF/m
- Propagation delay (typical): 4.10 ns/m
- Insertion loss (maximum rate typ): 81 %
- Return loss (maximum rate typ): 44.0 GHz
- Nominal tolerance (at 20dB of crosstalk): 1.182:1.49
- Nominal power (at 60dB of crosstalk): 2.2 dBm

**Mechanical properties**
- Cable outer diameter: 4.1 mm
- Minimum bending radius (horn edge): 20 mm
- Maximum tensile strength: 98 N (10 kgf)
- Cable mass (typ): 42 g/m
- Continuous operating temperature range: -65 to 125 °C
- Assembly length: 100~20,000 mm

**Connector**

**Order form example**

Please provide the following information when placing an order:
* See P.60 “Connector combination codes”

Example 1 MWX312
- Assam length: 1,000 mm
- Connector 1: SMA(m) straight
- Connector 2: SMA(m) straight

Example 2 MWX312
- Assam length: 1,000 mm
- Connector 1: SMA(f) straight
- Connector 2: SMA(m) straight

---

We have the capacity to deliver products with matched phases for customers who require this characteristic.

---

**Technical Data**

**Cable typical insertion loss**

<table>
<thead>
<tr>
<th>Frequency (GHz)</th>
<th>Loss (dB)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0.1</td>
</tr>
<tr>
<td>10</td>
<td>0.2</td>
</tr>
</tbody>
</table>

**MWX312 Phase change vs. temperature**

- The cable was measured in crosstalk every 30 °C from -40°C to 1 hour after the temperature changed.

---

**Connector**

**SMA(m) straight (Code AZR)**
- Maximum operating frequency: 18.5 GHz, Max.30 g

**SMA(f) straight (Code AFS)**
- Maximum operating frequency: 18.5 GHz, Max.30 g

**SMA(m) right angle (Code AML)**
- Maximum operating frequency: 18.5 GHz, Max.30 g

**SMA(f) right angle (Code AMRH)**
- Maximum operating frequency: 18.5 GHz, Max.15 g

---

We have the capacity to deliver products with matched phases for customers who require this characteristic.

---

The above figures are measured values for reference only.
**MWX3 SERIES**

**MWX 313**

### Property

**Electrical properties**
- Maximum operating frequency: 16.5 GHz
- Characteristic resistance: 50 ± 1 Ω
- Capacitance (typical): 80 pF/m
- Phase velocity (typical): 4.05 ns/m
- Mechanical strength (typical): 34 N (10 kgf)
- Cable loss (typical): 62.6 dB/m
- Continuous operating temperature range: -65°C to +125°C
- Assembly length: 100 to 20,000 mm

**Mechanical properties**
- Cable outer diameter: 4.7 mm
- Minimum bending radius (typical): 30 mm
- Maximum tensile strength: 88 N (10 kgf)
- Cable mass: 62.6 kg/m

### Connector

- **Example 1 MWX313**
  - Assam length: 1,000 mm
  - Connector: SMA/m/straight
  - Connector 2: SMA/m/straight
  - Reference plane: 0 dB

- **Example 2 MWX313**
  - Assam length: 1,000 mm
  - Connector 1: SMA/m/straight
  - Connector 2: SMA/m/straight
  - Reference plane: 0 dB

### Technical Data

- **Cable typical insertion loss**
  - Typical insertion loss: 0.86 dB at 15 GHz, 0.27 dB at 25 GHz, 0.07 dB at 40 GHz
  - Maximum insertion loss: 0.86 dB at 15 GHz, 0.27 dB at 25 GHz, 0.07 dB at 40 GHz

- **MWX313 Phase change vs. temperature**
  - The cable was measured in vibration every 20°C. The temperature changed from -40°C to +140°C. The cable was vibration measured every 20°C.

---

**Options**

We have the capacity to deliver products with matched phases for customers who require this characteristic.

---

This page is from a product catalog of a coaxial cable manufacturer, detailing technical specifications and application examples for the MWX313 series. It provides information on electrical and mechanical properties, connector options, and technical data such as cable insertion loss and phase change versus temperature. The page also includes an example of how to order the product and an option for customers requiring matched phases in their coaxial cables.
**MWX 3 SERIES**

**MWX 314**

### Technical Data

**Cable typical insertion loss**

![Graph showing cable typical insertion loss over frequency]

- Typical insertion loss: \( 0.26 \times 10 \log f + 0.27 \) dB, \( f \) in GHz
- Maximum insertion loss: \( 0.34 \times 10 \log f + 0.27 \) dB, \( f \) in GHz

**MWX314 Phase change vs. temperature**

![Graph showing phase change vs. temperature]

- The cable was measured in situ at every 20°C from -40°C to 140°C after the temperature changed.

### Connector

**SMA male straight (Code AW2)**
- Maximum operating frequency: 18 GHz
- Maximum voltage: 500 V

**N male straight (Code WN5)**
- Maximum operating frequency: 18 GHz
- Maximum voltage: 500 V

**TNC male straight (Code WM2)**
- Maximum operating frequency: 18 GHz
- Maximum voltage: 500 V

---

**Property**

<table>
<thead>
<tr>
<th><strong>Electrical properties</strong></th>
<th><strong>Mechanical properties</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum operating frequency</td>
<td>18.5 GHz</td>
</tr>
<tr>
<td>Characteristic impedance</td>
<td>50 ±1 Ω</td>
</tr>
<tr>
<td>Capacitance (typ)</td>
<td>78 pF/m</td>
</tr>
<tr>
<td>Propagation delay (typ)</td>
<td>3.95 ns/m</td>
</tr>
<tr>
<td>Mechanical strength (nominal rate typ)</td>
<td>84 %</td>
</tr>
<tr>
<td>Maximum working temperature (typ)</td>
<td>190°C</td>
</tr>
<tr>
<td>Solder point (typ)</td>
<td>1.18/1.40</td>
</tr>
<tr>
<td>Maximum bending radius (barrel)</td>
<td>0.8 dia.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Connector</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>SMA male straight (Code AW2)</td>
</tr>
<tr>
<td>N male straight (Code WN5)</td>
</tr>
<tr>
<td>TNC male straight (Code WM2)</td>
</tr>
</tbody>
</table>

---

**Order form example**

*Please provide the following information when placing an order.*

- Example 1 MWX314: Assorted length: 1000 mm
- Example 2 MWX314: Assorted length: 2000 mm

<table>
<thead>
<tr>
<th><strong>Option</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>a: Cable</td>
</tr>
<tr>
<td>b: Assembly length</td>
</tr>
<tr>
<td>c: Connector</td>
</tr>
</tbody>
</table>

---

**General Assembly Information**

**MWX 0**

**MWX 1**

**MWX 2**

**MWX 3**

**MWX 4.5**

**MWX 6**

---

We have the capacity to deliver products with matched phases for customers who require this characteristic.
MWX3 SERIES
MWX 315

Property

<table>
<thead>
<tr>
<th>Mechanical properties</th>
<th>Standard type</th>
<th>Lightweight Armored type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable outer diameter</td>
<td>8.6 mm</td>
<td>17 mm</td>
</tr>
<tr>
<td>Minimum bending radius</td>
<td>30 mm</td>
<td>40 mm</td>
</tr>
<tr>
<td>Cable mass (kg)</td>
<td>156 g/m</td>
<td>315 g/m</td>
</tr>
<tr>
<td>Continuous operating temperature range</td>
<td>-40~+185°C</td>
<td>-40~+185°C</td>
</tr>
<tr>
<td>Armored cable tension</td>
<td>1.96 N/cm</td>
<td>1.96 N/cm</td>
</tr>
<tr>
<td>Assembly length</td>
<td>500~5,000 mm</td>
<td>500~5,000 mm</td>
</tr>
</tbody>
</table>

Connector

<table>
<thead>
<tr>
<th>Example 1</th>
<th>MWX315</th>
<th>Assembly length: 1000mm</th>
<th>Connector 1: SMA/m/straight</th>
<th>Connector 2: SMA/m/straight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Example 2</td>
<td>MWX315 Lightweight Armored type</td>
<td>Assembly length: 1000mm</td>
<td>Connector 1: SMA/m/straight</td>
<td>Connector 2: SMA/m/straight</td>
</tr>
</tbody>
</table>

Order form example

Please provide the following information when placing an order.
- See Table 1 for combination codes.

Option

We have the capacity to deliver products with matched phases for customers who require this characteristic.

Technical Data

Cable typical insertion loss

**Typical insertion loss**: 0.35 [0.0297 × 1.371 × / + 0.077 × / × 1.12]

**Minimum insertion loss**: 0.35 [0.2029 × 1.317 × / × 0.077 × / × 1.12]

MWX315 Phase change vs. temperature

*The cable was measured in situation every 20°C from -40°C, 1 hour after the temperature changed.

We have the capacity to deliver products with matched phases for customers who require this characteristic.

Options

**Typical insertion loss**: 0.35 [0.0297 × 1.371 × / + 0.077 × / × 1.12]
MWX 3 SERIES

MWX 321

**Property**

<table>
<thead>
<tr>
<th>Electrical properties</th>
<th>Mechanical properties</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temperature operating frequency</td>
<td>Cable color diameter</td>
</tr>
<tr>
<td>26.5 GHz</td>
<td>4.7 mm</td>
</tr>
<tr>
<td>Characteristic impedance</td>
<td>Minimum bending radius (mm)</td>
</tr>
<tr>
<td>50 ± 1 Ω</td>
<td>30 mm</td>
</tr>
<tr>
<td>Capacitance (typ.)</td>
<td>Maximum tensile strength (N)</td>
</tr>
<tr>
<td>80 ± 5 pF/m</td>
<td>98 N (10 kgf)</td>
</tr>
<tr>
<td>Propagation delay (typ.)</td>
<td>Cable mass (kg/m)</td>
</tr>
<tr>
<td>4.05 ns/m</td>
<td>0.62 g/m</td>
</tr>
<tr>
<td>Breakdown voltage (max. rating)</td>
<td>Continuous rated temperature range</td>
</tr>
<tr>
<td>37.0 GHz</td>
<td>−65~+125 °C</td>
</tr>
<tr>
<td>VSWR (maximum rating)</td>
<td>Assembly length (mm)</td>
</tr>
<tr>
<td>1.202:1:14</td>
<td>100~20,000 mm</td>
</tr>
<tr>
<td>Insertion loss (max.)</td>
<td></td>
</tr>
<tr>
<td>≤2.4 db/m</td>
<td></td>
</tr>
</tbody>
</table>

**Order form example**

Please provide the following information when placing an order.

*See P67 "Connector combination codes"*

Example 1 MWX321
- Assorted length: 1.0 mm
- Connector: SMA(m) straight
- Connector: SMA(m) straight

Catalog No: MWX321-0100AMASMS

Example 2 MWX321
- Assorted length: 1.0 mm
- Connector: SMA(m) straight
- Connector: SMA(m) straight
- Connector: 3.5 mm(m) straight

Catalog No: MWX321-0150DAMASMS

**Connector**

SMA(m) straight (Code: AMS)
- Maximum bonding frequency: 18 GHz
- Maximum insertion loss: 0.884 x (5.827 x 1.1 GHz) + 0.57 x (1.1 GHz) + 0.07 x (1.1 GHz)
- Temperature range: −65~+125 °C

Example: 3.5 mm(m) straight (Code: DMS)
- Maximum bonding frequency: 18 GHz

**Technical Data**

Cable typical insertion loss

<table>
<thead>
<tr>
<th>Frequency [GHz]</th>
<th>0</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4.5</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power [dB]</td>
<td>0</td>
<td>0.5</td>
<td>1</td>
<td>1.5</td>
<td>2</td>
<td>2.5</td>
</tr>
</tbody>
</table>

**MWX321 Phase change vs. temperature**

- The cable was measured in抽查 every 5°C from −40°C to 125°C after the temperature changed.

**Options**

We have the capacity to deliver products with matched phases for customers who require this characteristic.
### Property

**Electrical properties**
- Maximum operating frequency: 26.5 GHz
- Characteristic impedance: 50±1 Ω
- Capacitance (typ): 88 pF/m
- Proximity loss (typ): 4.38 ns/m
- Microwave reflection factor (typ): 76 %
- Microwave attenuation (typ): 27.5 GHz
- Coper conductor / tinned (approx): 1.163/1.33
- Nominal length: 1.3 m/m

**Mechanical properties**

<table>
<thead>
<tr>
<th>Connector type</th>
<th>Standard type</th>
<th>Armored type</th>
<th>Lightweight Armored type (for free wiring)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Diameter</td>
<td>5.2 mm</td>
<td>12.5 mm</td>
<td>11.0 mm</td>
</tr>
<tr>
<td>Maximum bend radius</td>
<td>25 mm</td>
<td>25 mm</td>
<td>25 mm</td>
</tr>
<tr>
<td>Maximum bend radius</td>
<td>98 N(10 kgt)</td>
<td>98 N(10 kgt)</td>
<td>98 N(10 kgt)</td>
</tr>
<tr>
<td>Cable mass (typ)</td>
<td>60 g/m</td>
<td>208 g/m</td>
<td>155 g/m</td>
</tr>
<tr>
<td>CCBVU operating temperature range</td>
<td>-66°~+125 °C</td>
<td>-30°~+85 °C</td>
<td>-30°~+85 °C</td>
</tr>
<tr>
<td>Assembly length</td>
<td>200~20,000 mm</td>
<td>700~5,000 mm</td>
<td>600~20,000 mm</td>
</tr>
</tbody>
</table>

**Order form example**

Please provide the following information when placing an order.
- See F67 "Connector combination code*"

We have the capacity to deliver products with matched phases for customers who require this characteristic.

### Connector

**SMA (m)/straight (Code: AWM)**
- Maximum operating frequency: 18-6 GHz
- Max: 17 g

**SMA (m)/right angle (Code: AMMR)**
- Maximum operating frequency: 18-6 GHz
- Max: 17 g

**N (m)/straight (Code: NMS)**
- Maximum operating frequency: 18-6 GHz
- Max: 17 g

**N (m)/right angle (Code: NMTS)**
- Maximum operating frequency: 18-6 GHz
- Max: 17 g

**3.5mm (r)/straight (Code: DM)**
- Maximum operating frequency: 20-6 GHz
- Max: 17 g

**3.5mm (r)/right angle (Code: DMR)**
- Maximum operating frequency: 20-6 GHz
- Max: 17 g

*Please see F57 for "customer specified sweep and right angle connection features."

**A/B/C**
- Connector type
- Assembly length
- Armored type

We have the capacity to deliver products with matched phases for customers who require this characteristic.

### Technical Data

**Cable typical insertion loss**

<table>
<thead>
<tr>
<th>Frequency (GHz)</th>
<th>Loss (dB)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0.214</td>
</tr>
<tr>
<td>2</td>
<td>0.25</td>
</tr>
<tr>
<td>3</td>
<td>0.27</td>
</tr>
<tr>
<td>4</td>
<td>0.30</td>
</tr>
</tbody>
</table>

**MWX322 Phase change vs. temperature**

- The cable was measured in air at every 60 °C for 1 hour after the temperature changed.

---

*Option:
- a: Cable
- b: Assembly length
- c: Connector
- d: Armored
**MWX 3 SERIES**

**MWX 341**

**Technical Data**

**Cable typical insertion loss**

![Cable typical insertion loss graph]

**MWX 341 Phase change vs. temperature**

![MWX 341 Phase change vs. temperature graph]

**Property**

**Electrical properties**

- Maximum operating frequency: 40.0 GHz
- Characteristic impedance: 50 ± 1 Ω
- Capacitance (typ): 80 pF/m
- Propagation delay (typ): 4.05 ns/m
- Breakdown voltage (typ): 46.0 GHz
- Ethanate (typ): 1.197/1.44
- Nominal diameter: 3.3 mm

**Order form example**

Please provide the following information when placing an order.

- Maximum operating frequency: 40.0 GHz
- Characteristic impedance: 50 ± 1 Ω
- Capacitance (typ): 80 pF/m
- Propagation delay (typ): 4.05 ns/m
- Breakdown voltage (typ): 46.0 GHz
- Ethanate (typ): 1.197/1.44
- Nominal diameter: 3.3 mm

We have the capacity to deliver products with matched phases for customers who require this characteristic.

**Connector**

**SMA (straight) (Code: MWX341)**

Maximum operating frequency: 40.0 GHz

**Reference plane**

- The cable was measured in air every 20°C.
- +45°C, 1 hour after the temperature changed.

---

**Options**

- a: Cable
- b: Assembly length
- c: Connector
MWX3 SERIES

MWX 342

**Technical Data**

**Cable typical insertion loss**

**MWX342 Phase change vs. temperature**

**Connector**

**Property**

**Mechanical properties**

- **Standard type**
  - Cable outer diameter: 3.9 mm
  - Cable mass (incl. cable): 20 mm
  - Centre conductor temperature range: 
  - Ambient edge pressure: 
  - Assembly length: 200~10,000 mm

- **Armored type**
  - Cable outer diameter: 9.5 mm
  - Cable mass (incl. cable): 20 mm
  - Centre conductor temperature range: 
  - Ambient edge pressure: 
  - Assembly length: 700~10,000 mm

- **Lightweight Armored type**
  - Cable outer diameter: 8.0 mm
  - Cable mass (incl. cable): 20 mm
  - Centre conductor temperature range: 
  - Ambient edge pressure: 
  - Assembly length: 500~10,000 mm

**Electrical properties**

- Maximum operating frequency: 40.0 GHz
- Characteristic resistance: 50 ±1 Ω
- Capacitance (typ): 87 aF/m
- Propagation delay: 4.35 ns/m
- Bandwidth: 76 %
- Propagation delay (typ): 40.5 GHz
- Max. insertion loss (max length of cable): 1.197/1.43
- Insertion loss (max length of cable): 2.4 dB/m

**Order form example**

Please provide the following information when placing an order.

- See P.67 “Connector combination codes”

We have the capacity to deliver products with matched phases for customers who require this characteristic.

**Options**

- a: Cable
- b: Assembly length
- c: Connector
- d: Armored

**Note**

- The cable was measured in situation every 20°C from 
  -65~125°C, 1 hour after the temperature changed.

**Note**

- The above figures are measured values for reference only.