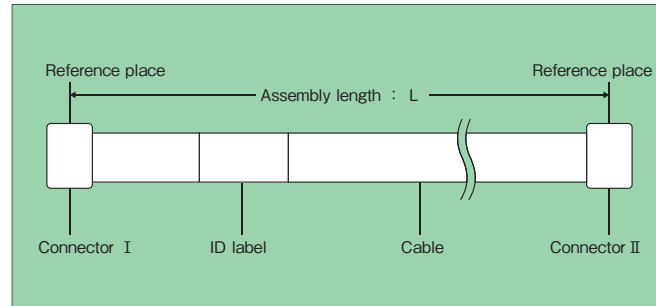


## MWX6 Series Placing orders

Catalogue number



Note 1) The unit of assembly length is mm. Shown as a five-digit number. If the number consists of fewer than five digits, remember to add zero (s) to the left of the first digit to make it five digits. The assembly length is measured based on the reference planes, not on the connector ends, shown at the figure to the left.

Note 2) We supply MWX6 series one pair of two cables. Upon ordering, you are requested to inform us the catalogue number and set quantity.

Example 1)  
 Cable .....MWX621  
 Assembly length .....1000 mm  
 Connector I ..... 3.5 mm(m) straight  
 Connector II ..... 3.5 mm(m) straight  
 Pair product

**MWX621 - 01000 DFS DMS /PAIR**

Connector combination codes

Connector I			SMA	3.5mm	3.5mm	2.92mm	2.92mm	2.4mm	2.4mm	1.85mm	1.85mm
			m	m	f	m	f	m	f	m	f
Connector II			AMS	DMS	DFS	KMS	KFS	LMS	LFS	VMS	VFS
			AMSAMS	AMSDMS	AMSDFS	-	-	-	-	-	-
SMA	m	AMS	AMSAMS	AMSDMS	AMSDFS	-	-	-	-	-	-
3.5mm	m	DMS	-	DMSDMS	DFSDMS	-	-	-	-	-	-
3.5mm	f	DFS	-	-	DFSDFS	-	-	-	-	-	-
2.92mm	m	KMS	-	-	-	KMSKMS	KFSKMS	KMSLMS	KMSLFS	-	-
2.92mm	f	KFS	-	-	-	-	KFSKFS	KFSLMS	KFSLFS	-	-
2.4mm	m	LMS	-	-	-	-	-	LMSLMS	LFSLMS	-	-
2.4mm	f	LFS	-	-	-	-	-	-	LFSLFS	-	-
1.85mm	m	VMS	-	-	-	-	-	-	-	VMSVMS	VFSVMS
1.85mm	f	VFS	-	-	-	-	-	-	-	-	VFSVFS

## Delivery

MWX6 Series will be shipped within 7 business days after receiving your order.

\*L/T might be changed on your order Qty.

## Option

In the event that you would like to change quantity of one set, please feel free to contact us.

## Remarks

Skew of MWX6 series between the two cables is standardized less than 1 psec upon shipment.

Please be careful upon handling them with great care.

\*The data are typical, not guaranteed values. \*JUNFLON®, and MWX® are registered trademarks of Junkosha Inc.  
 \*To allow continuing product improvements, specifications are subject to change without notice.

**Junkosha**  
 Creating Unsurpassed Value

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 ● Yamanashi Operations Center  
 811-1 Ishibashi, Sakaigawa-cho, Fuefuki-shi, Yamanashi-ken, Japan 406-0842  
 TEL: 81/55-266-5400 (main swichingboard) FAX: 81/55-266-5405  
<http://www.junkosha.co.jp/>

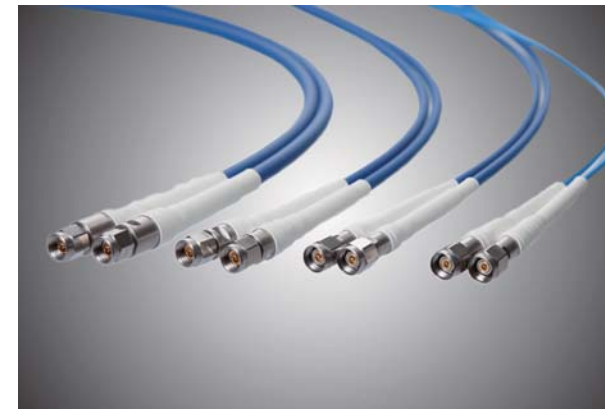
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**Junkosha**

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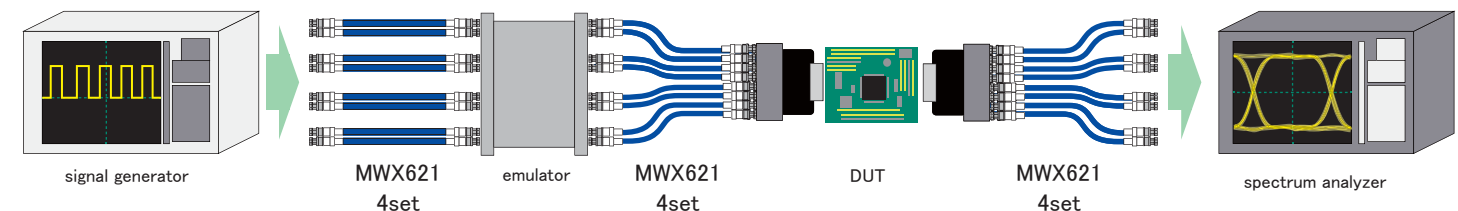
## Junflon® MWX 6 Series

Junflon® MWX6 series : Precise skew match type



- Highly precise skew match cable assembly with less than 1psec skew between the two cables for measurement of digital transmission. (Continuous operating temperature range : -30 to +85 °C)
- Low insertion loss, suitable for measurement of the high-precision differential transmission signal.
- 4 type cables are depends on maximum frequency (26.5GHz, 40GHz, 50GHz and 67GHz).

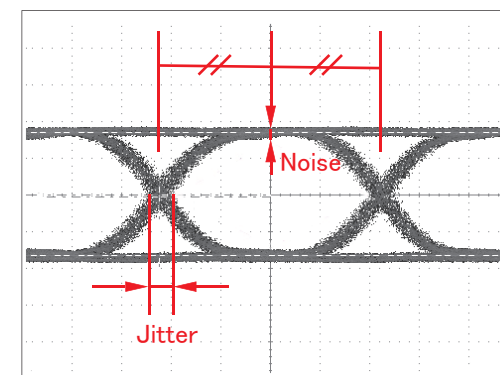
Connection example of MWX6 Series



## Major applications

Measurement and evaluation of the USB, HDMI etc. , BERT measurement, Jitter measurement.

(Reference) Eye pattern and Junkosha's method of calculating degree of eye pattern



$$\text{Degree of horizontal eye opening (\%)} = 100 \times \left( \frac{1}{\text{bit rate}} - \text{jitter} \right)$$

$$\text{Degree of vertical eye opening (\%)} = 100 \times \left( \frac{\text{amplitude of input signals} - 2 \times \text{noise}}{\text{amplitude of input signals}} \right)$$

To measure pulse wave transmission characteristics, an experimental tool called "eye pattern" is observed.

Upon balanced transmission, skew (variability of propagation delay time) between the signal cables will become one of the cause of deterioration of the jitter.

Taking above into consideration, MWX6 series are designed and manufactured.

