



**奥联光电**<sup>®</sup>  
OELNK OPTRONIC

## 光纤连接器及组件

Optical fiber connectors & cable assemblies



**洛 阳 奥 联 光 电 科 技 有 限 公 司**

Luoyang O+E-Link Science and Technology Co., Ltd

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|    | J599 series circular optical fiber connector (also called J599 III series circular optical fiber connector) is based on J599 III series electric connector, the development of multicore environment resistant fiber optic connectors, through the design meet J599 III series electric connector insulator hole a light contact, enable it to meet J599 III series electric connector, select material, contact arrangement, etc.                                                      |
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|    | J599 / A8 series high-performance optical fiber connector is in J599 III series fiber optic connectors, based on the improved design, with a standard 1.25 mm $\Phi$ neutral contact element and removable sleeve parts (ASR) component, precision guide pin guide structure, a higher density of contact, so that it can better optical performance, higher impact resistance vibration performance, convenient cleaning, maintenance.                                                 |
| J599/MT Series.....                                                                 | 15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|   | J599 / MT series high density optical fiber connector is on the basis of J599 series circular optical fiber connector, with a standard MT multi-fiber rectangular fiber contact element, the precision guide pin guide structure, developed into a high density of environmental circular optical fiber connector, it inherits the J599 series optical fiber connector resistance to environment, the five key recognition, three thread locking and connecting locking all advantages. |
| JYS Series.....                                                                     | 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|  | JYS miniaturization of optical fiber connector series adopts $\Phi$ standard 1.25 mm ceramic core, card lock the connection button and miniaturization of metal shell, can connect two or four core optical fiber core at the same time.                                                                                                                                                                                                                                                |
| YZ Series.....                                                                      | 24                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|  | YZ series circular neutral fiber connector is a kind of multi-core, neutral and clamped round optical fiber connector which conforms to GJB1919 standard, including active connector and car wall connector. The shell is made of high quality aluminum alloy material or high polymer composite material. It has excellent properties such as anti-vibration, pressure resistance, waterproof, salt spray and dust proof.                                                              |
| MPO/MTP .....                                                                       | 25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|  | MPO/MTP connectors and cable assembly Suitable for high-density connections.                                                                                                                                                                                                                                                                                                                                                                                                            |
| LC/FC/SC/ST .....                                                                   | 28                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|  | LC/FC/SC/ST cable assemblies have various forms and flexible use.                                                                                                                                                                                                                                                                                                                                                                                                                       |

Focus on the stringent environment, high reliability photoelectric connection technology.

Dedicated to providing clients with end-to-end products and technology customization services.



Radar



Ship



Sea detection



Rail traffic



Power system

## Application

J599 series circular optical fiber connector (also called J599 III series circular optical fiber connector) is based on J599 III series electric connector, the development of multicore environment resistant fiber optic connectors, through the design meet J599 III series electric connector insulator hole a light contact, enable it to meet J599 III series electric connector, select material, contact arrangement, etc.

## Features

- Compliant with GJB599A(mil-dtl-38999)III series interface.
- The outer shell can be used for different materials and coatings to meet different environmental requirements.
- The first block is used to identify and locate the five-key circle, which can realize blind insertion and error prevention.
- Use three thread fast connection, with anti - loosening mechanism.
- Ceramic inserts and ceramic tubes are used to realize precise alignment of optical fibers.
- The socket has square plate installation and nut fastening installation two kinds of optional.



## Technical indicators

- |                                                                        |                                |
|------------------------------------------------------------------------|--------------------------------|
| ■ Insertion loss : $\leq 0.6\text{dB}$ ( $\leq 4$ cores )              | ■ Tensile : $\geq 800\text{N}$ |
| $\leq 0.75\text{dB}$ ( $\geq 5$ cores )                                | ■ Salt spray : 500h ( K )      |
| ■ Working temperature : $-55^{\circ}\text{C} \sim +85^{\circ}\text{C}$ | 500h ( W )                     |
| ■ vibration : 10Hz ~ 2000Hz                                            | 48h ( F )                      |
| ■ Shock : $980\text{ m/s}^2$                                           |                                |
| ■ Mechanical life : 500                                                |                                |

## Application field

- Aviation
- Electronic
- Ship
- Electric power
- Other optical fiber communication systems with poor environmental requirements.

Model named

|                              |                                                                                                                                             |   |    |   |   |    |    |                  |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|---|----|---|---|----|----|------------------|
|                              | J599                                                                                                                                        | / | 26 | F | B | 04 | B1 | N                |
| Shell :                      | 20—Square plate socket<br>24—Nut fastening socket<br>26—Plug                                                                                |   |    |   |   |    |    |                  |
| Shell material and coating : | W—Aluminum alloy with cadmium plated military green<br>F—Aluminum alloy electroless nickel plating<br>K—Stainless steel surface passivation |   |    |   |   |    |    |                  |
| Shell NO :                   | 09 11 13 15 17 19 21 23 25<br>A B C D E F G H J                                                                                             |   |    |   |   |    |    |                  |
| Arrangement :                | See "contact code"                                                                                                                          |   |    |   |   |    |    |                  |
| Contact type :               | A1—Pin/PC<br>B1—Socket/PC                                                                                                                   |   |    |   |   |    |    |                  |
| A specialized :              | N—Normal                                                                                                                                    |   |    |   |   |    |    | A、B、C、D、E—Others |

Note :

- ① the above table is only for the J599 series of fiber connector plugs and sockets. By default, the metal dustproof cover is provided without tail accessories and contact parts..

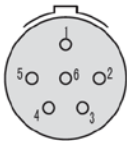
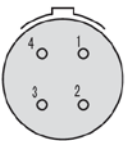
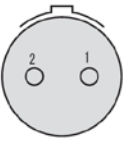
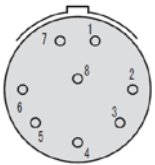
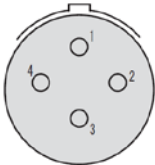
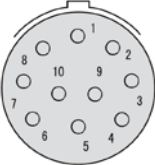
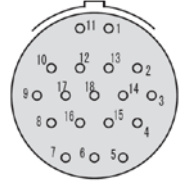
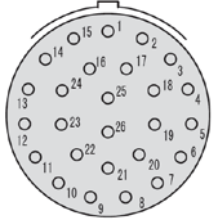
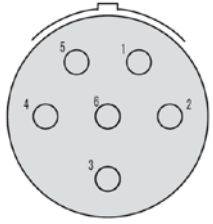
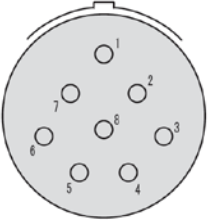
【 Switch socket type】

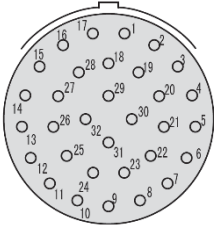
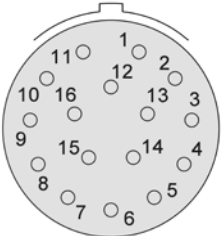
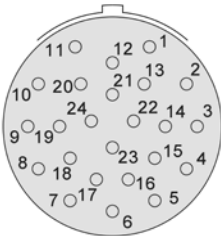
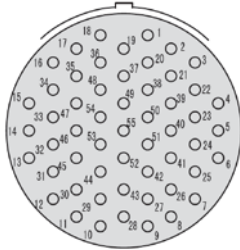
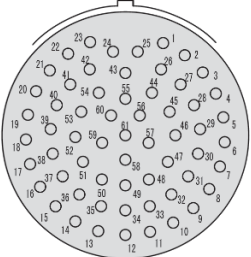
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|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|---|----|---|---|----|----|---|---------------------------------------|
|                              | J599                                                                                                                                        | / | 20 | F | B | 04 | C1 | N | -S                                    |
| Shell :                      | 20—Square plate socket                                                                                                                      |   |    |   |   |    |    |   |                                       |
| Shell material and coating : | W—Aluminum alloy with cadmium plated military green<br>F—Aluminum alloy electroless nickel plating<br>K—Stainless steel surface passivation |   |    |   |   |    |    |   |                                       |
| Shell NO :                   | 09 11 13 15 17 19 21 23 25<br>A B C D E F G H J                                                                                             |   |    |   |   |    |    |   |                                       |
| Arrangement :                | See "contact code"                                                                                                                          |   |    |   |   |    |    |   |                                       |
| Contact type :               | C1—Pin/PC                                                                                                                                   |   |    |   |   |    |    |   |                                       |
| A specialized :              | N—Normal                                                                                                                                    |   |    |   |   |    |    |   | A、B、C、D、E—Others                      |
| Model :                      | S—9/125μm ( G.652D )<br>M—62.5/125μm<br>MIV—50/125μm ( OM3 )                                                                                |   |    |   |   |    |    |   | SI—9/125μm ( G.667A2 )<br>MI—50/125μm |

【Common model list】

| Shell       | Arrangement |      | Recommended model |                |
|-------------|-------------|------|-------------------|----------------|
|             | Code        | core | Plug              | Socket         |
| 09<br>( A ) | 94          | 2    | J599/26FA94B1N    | J599/20FA94A1N |
| 11<br>( B ) | 98          | 6    | J599/26FB98B1N    | J599/20FB98A1N |
|             | 04          | 4    | J599/26FB04B1N    | J599/20FB04A1N |
|             | 02          | 2    |                   |                |
| 13<br>( C ) | 08          | 8    | J599/26FC08B1N    | J599/26FC08A1N |
|             | 04          | 4    | J599/26FC04B1N    | J599/26FC04A1N |
|             | 98          | 10   | J599/26FC98B1N    | J599/26FC98A1N |
| 15<br>( D ) | 18          | 18   | J599/26FD18B1N    | J599/26FD18A1N |
| 17<br>( E ) | 26          | 26   |                   |                |
|             | 06          | 6    |                   |                |
|             | 08          | 8    |                   |                |
| 19<br>( F ) | 32          | 32   |                   |                |
| 21<br>( G ) | 16          | 16   |                   |                |
|             | 24          | 24   |                   |                |
| 23<br>( H ) | 55          | 55   |                   |                |
| 25<br>( J ) | 61          | 61   |                   |                |

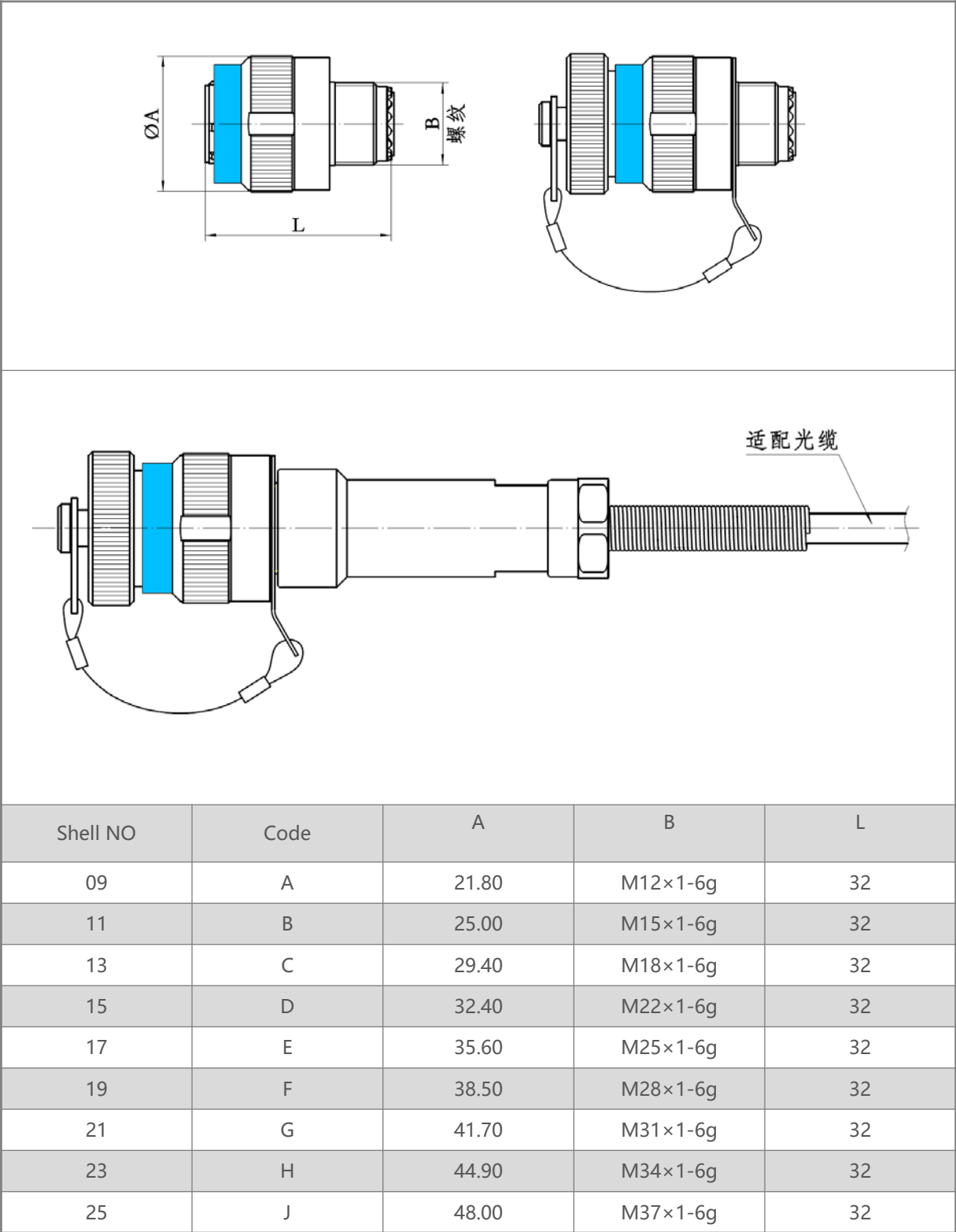
Arrangement

| Shell | Code | Arrangement                                                                                                                                                                                                                                                  |        |      |       |      |        |
|-------|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------|-------|------|--------|
| 09    | A    | Code                                                                                                                                                                                                                                                         | 94     |      |       |      |        |
|       |      |                                                                                                                                                                                                                                                              | 2-20#  |      |       |      |        |
|       |      |                                                                                                                                                                             |        |      |       |      |        |
| 11    | B    | Code                                                                                                                                                                                                                                                         | 98     | Code | 04    | Code | 02     |
|       |      |                                                                                                                                                                                                                                                              | 6-20#  |      | 4-20# |      | 2-16#  |
|       |      |          |        |      |       |      |        |
| 13    | C    | Code                                                                                                                                                                                                                                                         | 08     | Code | 04    | Code | 98     |
|       |      |                                                                                                                                                                                                                                                              | 8-20#  |      | 4-16# |      | 10-20# |
|       |      |    |        |      |       |      |        |
| 15    | D    | Code                                                                                                                                                                                                                                                         | 18     |      |       |      |        |
|       |      |                                                                                                                                                                                                                                                              | 18-20# |      |       |      |        |
|       |      |                                                                                                                                                                           |        |      |       |      |        |
| 17    | E    | Code                                                                                                                                                                                                                                                         | 26     | Code | 06    | Code | 08     |
|       |      |                                                                                                                                                                                                                                                              | 26-20# |      | 6-12# |      | 8-16#  |
|       |      |    |        |      |       |      |        |

| Shell | Code | Arrangement                                                                         |        |                                                                                    |        |
|-------|------|-------------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------|--------|
| 19    | F    | Code                                                                                | 32     |                                                                                    |        |
|       |      |                                                                                     | 32-20# |                                                                                    |        |
|       |      |    |        |                                                                                    |        |
| 21    | G    | Code                                                                                | 16     | Code                                                                               | 24     |
|       |      |                                                                                     | 16-16# |                                                                                    | 24-20# |
|       |      |   |        |  |        |
| 23    | H    | Code                                                                                | 55     |                                                                                    |        |
|       |      |                                                                                     | 55-20# |                                                                                    |        |
|       |      |  |        |                                                                                    |        |
| 25    | J    | Code                                                                                | 61     |                                                                                    |        |
|       |      |                                                                                     | 61-20# |                                                                                    |        |
|       |      |  |        |                                                                                    |        |

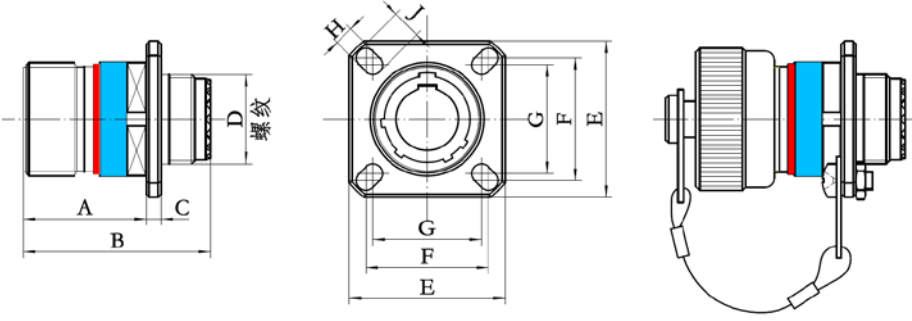
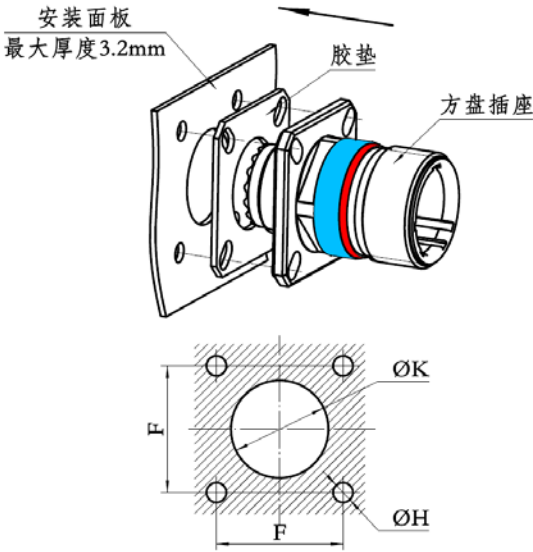
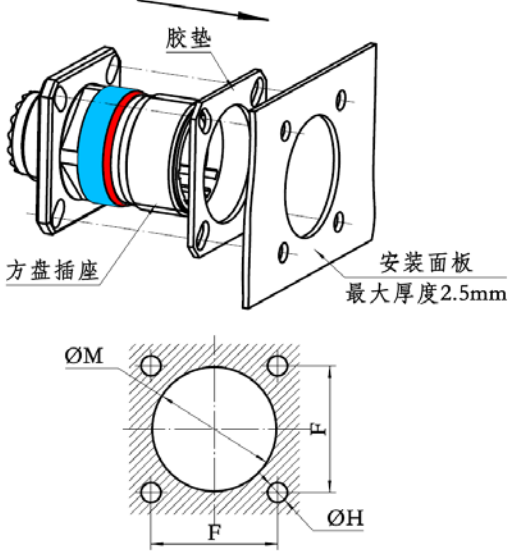


Overall dimensions



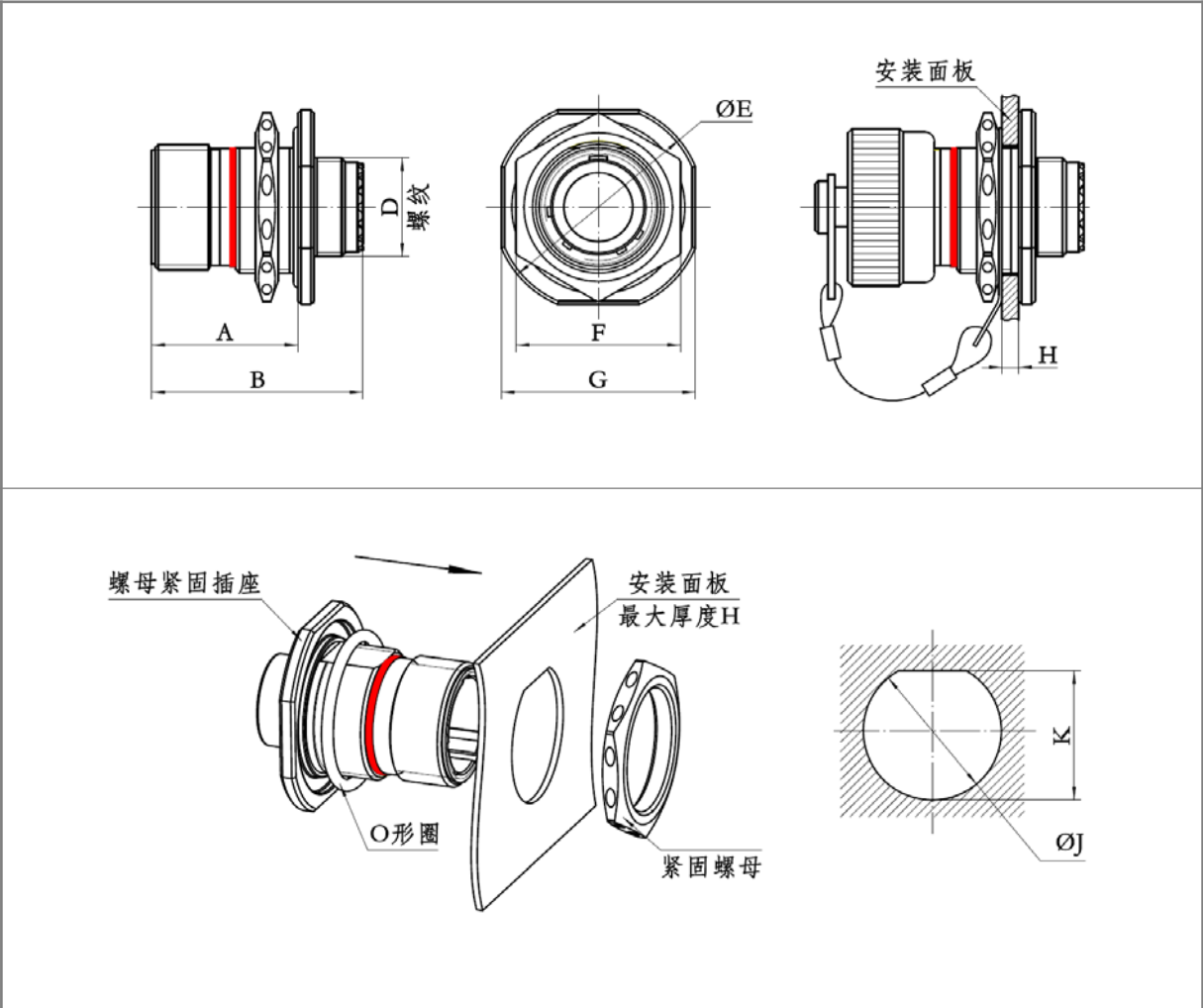
Overall dimensions

● Socket

| <div></div>                                                                                                          |      |       |       |      |          |       |       |       |      |      |       |       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|-------|------|----------|-------|-------|-------|------|------|-------|-------|
| <div><div></div><div></div></div> |      |       |       |      |          |       |       |       |      |      |       |       |
| Shell                                                                                                                                                                                                  | Code | A     | B     | C    | D        | E     | F     | G     | H    | J    | K     | M     |
| 09                                                                                                                                                                                                     | A    | 20.90 | 31.50 | 2.50 | M12×1-6g | 23.80 | 18.26 | 15.09 | 3.25 | 5.49 | 13.11 | 16.66 |
| 11                                                                                                                                                                                                     | B    | 20.90 | 31.50 | 2.50 | M15×1-6g | 26.20 | 20.62 | 18.26 | 3.25 | 4.93 | 15.88 | 20.22 |
| 13                                                                                                                                                                                                     | C    | 20.90 | 31.50 | 2.50 | M18×1-6g | 28.60 | 23.01 | 20.62 | 3.25 | 4.93 | 19.05 | 23.42 |
| 15                                                                                                                                                                                                     | D    | 20.90 | 31.50 | 2.50 | M22×1-6g | 31.00 | 24.61 | 23.01 | 3.25 | 4.93 | 23.01 | 26.59 |
| 17                                                                                                                                                                                                     | E    | 20.90 | 31.50 | 2.50 | M25×1-6g | 33.30 | 26.97 | 24.61 | 3.25 | 4.93 | 25.81 | 30.96 |
| 19                                                                                                                                                                                                     | F    | 20.90 | 31.50 | 2.50 | M28×1-6g | 36.50 | 29.36 | 26.97 | 3.25 | 4.93 | 28.98 | 32.94 |
| 21                                                                                                                                                                                                     | G    | 20.10 | 31.50 | 3.20 | M31×1-6g | 39.70 | 31.75 | 29.36 | 3.25 | 4.93 | 32.16 | 36.12 |
| 23                                                                                                                                                                                                     | H    | 20.10 | 31.50 | 3.20 | M34×1-6g | 42.90 | 34.93 | 31.75 | 3.91 | 6.15 | 34.93 | 39.29 |
| 25                                                                                                                                                                                                     | J    | 20.10 | 31.50 | 3.20 | M37×1-6g | 46.00 | 38.10 | 34.93 | 3.91 | 6.15 | 37.69 | 42.47 |

Overall dimensions

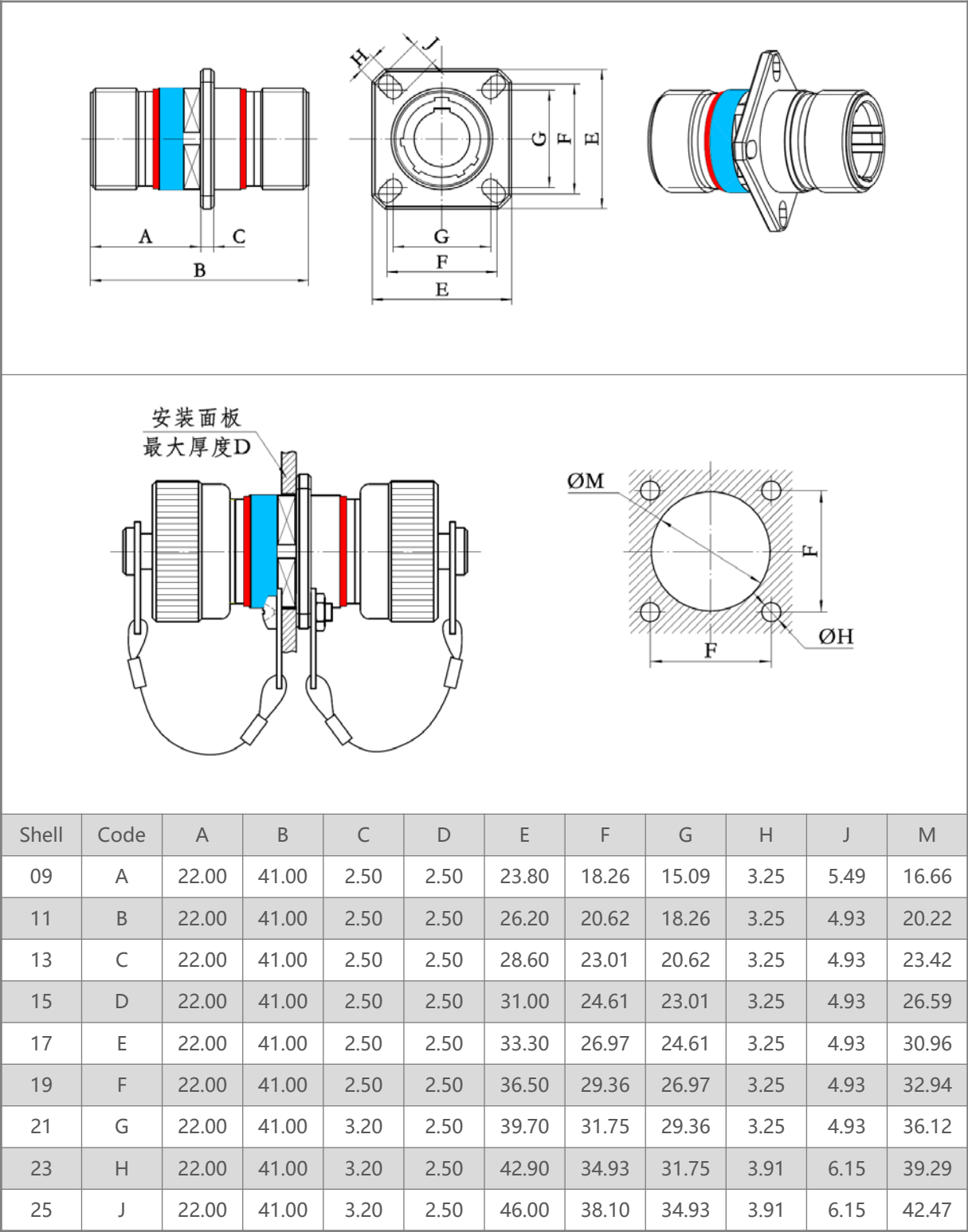
● Socket



| Shell | A     | B     | D        | E     | F     | G     | H    | J     | K     |
|-------|-------|-------|----------|-------|-------|-------|------|-------|-------|
| 09    | 22.40 | 32.50 | M12×1-6g | 30.50 | 24.00 | 27.00 | 3.20 | 17.70 | 16.99 |
| 11    | 22.40 | 32.50 | M15×1-6g | 35.20 | 27.00 | 31.80 | 3.20 | 20.88 | 19.53 |
| 13    | 22.40 | 32.50 | M18×1-6g | 38.40 | 32.00 | 34.90 | 3.20 | 25.58 | 24.26 |
| 15    | 22.40 | 32.50 | M22×1-6g | 41.60 | 36.00 | 38.10 | 3.20 | 28.80 | 27.53 |
| 17    | 22.40 | 32.50 | M25×1-6g | 44.80 | 37.00 | 41.30 | 3.20 | 31.98 | 30.68 |
| 19    | 22.40 | 32.50 | M28×1-6g | 49.30 | 41.00 | 46.00 | 3.20 | 35.15 | 33.86 |
| 21    | 22.40 | 32.50 | M31×1-6g | 52.70 | 46.00 | 49.20 | 3.20 | 38.28 | 37.06 |
| 23    | 22.40 | 32.50 | M34×1-6g | 55.90 | 50.00 | 52.40 | 3.20 | 41.50 | 40.24 |
| 25    | 22.40 | 32.50 | M37×1-6g | 59.00 | 51.23 | 55.60 | 3.20 | 44.68 | 43.41 |

Overall dimensions

- Socket adapter



## Application

This series of products is in J599 III series based on optical fiber connector, the improved design, with a standard 1.25 mm  $\Phi$  neutral contact element and removable sleeve parts (ASR) component, precision guide pin guide structure, a higher density of contact, so that it can better optical performance, higher impact resistance vibration performance, convenient cleaning, maintenance.

## Features

Conforming to the GJB599A(mil-dtl-38999)III series interface, the performance conforms to the ARINC801 standard. The outer shell can be used for different materials and coatings to meet different environmental requirements. The first block is used to identify and locate the five-key circle, which can realize blind insertion and error prevention. Use three thread fast connection, with anti - loosening mechanism.

With a standard 1.25 mm  $\Phi$  neutral fiber contact element Adopt removable ASR parts for cleaning and maintenance. Adopt the three-level guide position: shell - guide pin - sleeve. It inherits the advantages of the J599 series optical fiber connector, and it has better vibration resistance, impact performance and better optical performance.



## Technical indicators

- IL :  $\leq 0.6\text{dB}$
- RL :  $\geq 30\text{dB}$  ( MM/PC )  
 $\geq 45\text{dB}$  ( SM/PC )  
 $\geq 60\text{dB}$  ( SM/APC )
- Working temperature :  $-55^{\circ}\text{C} \sim +85^{\circ}\text{C}$
- vibration :  $10\text{Hz} \sim 2000\text{Hz}$
- Shock :  $2940\text{ m/s}^2$
- Mechanical life : 500 次
- Tensile :  $\geq 800\text{N}$
- Salt spray : 500h ( K )  
500h ( W )  
48h ( F )

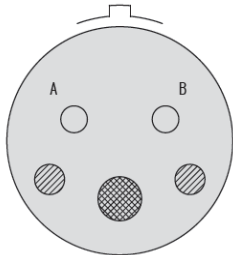
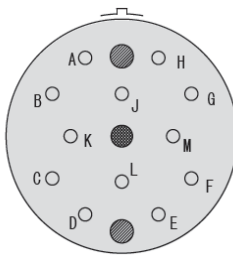
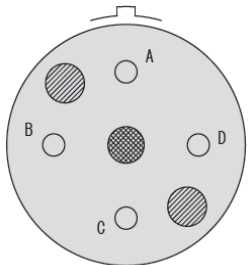
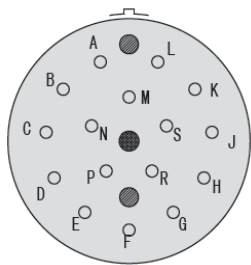
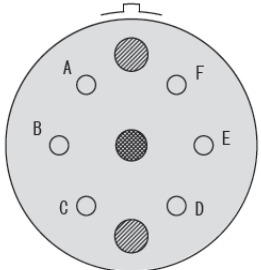
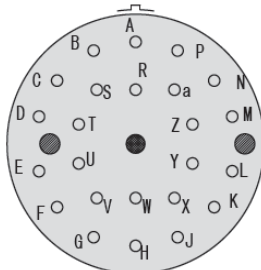
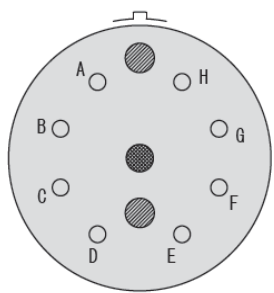
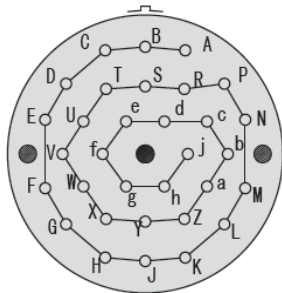
## Application field

- Aviation
- Electronic
- Ship
- Electric power
- Other optical fiber communication systems with poor environmental requirements.

Model nomenclature

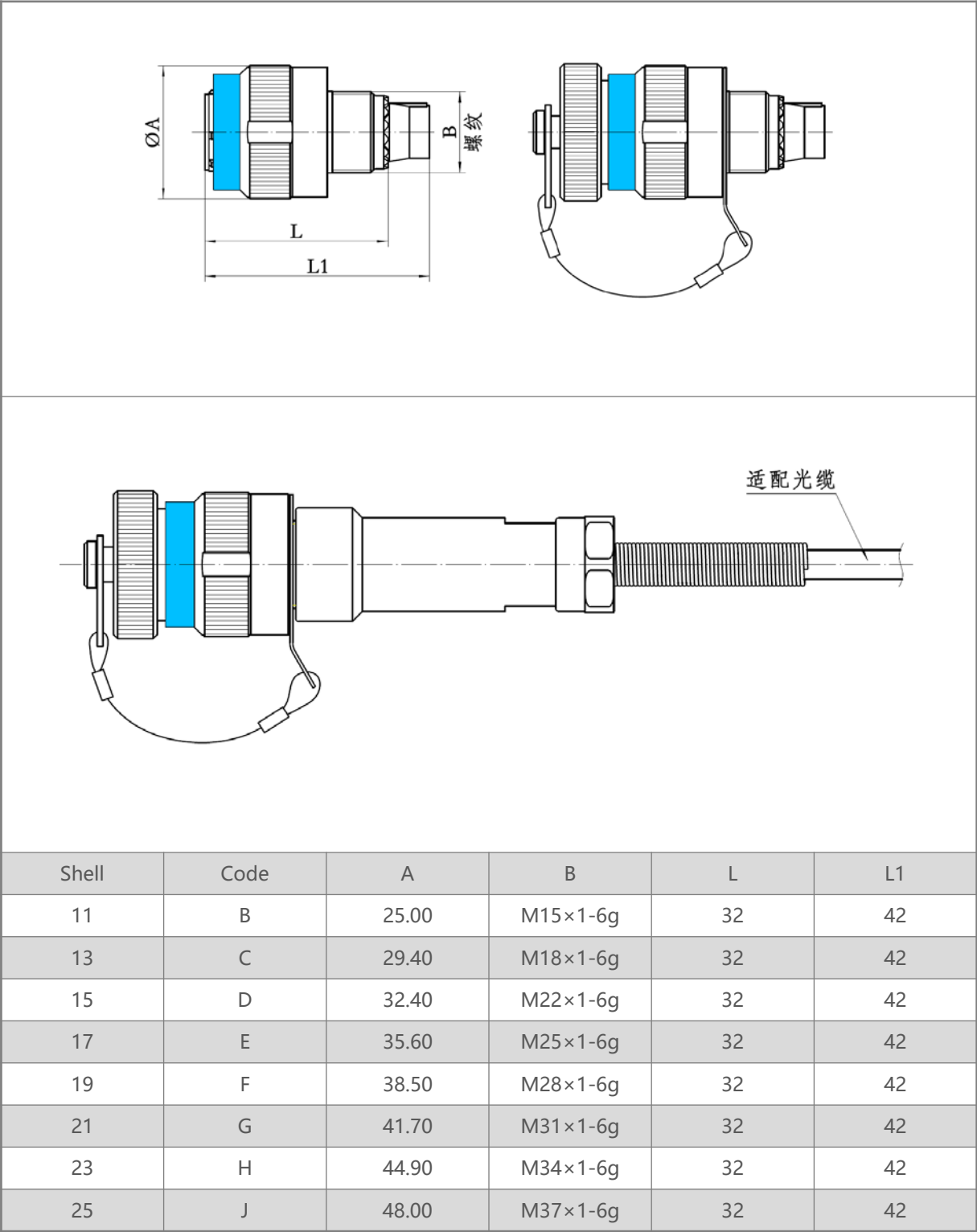
| J599A8                       |                                       | / | 26                   | W | C | 04 | D1 | N |
|------------------------------|---------------------------------------|---|----------------------|---|---|----|----|---|
| Shell :                      | 20—Socket                             |   |                      |   |   |    |    |   |
|                              | 26—Plug                               |   |                      |   |   |    |    |   |
| Shell material and coating : | W—Aluminum alloy with cadmium         |   |                      |   |   |    |    |   |
|                              | plated military green                 |   |                      |   |   |    |    |   |
|                              | F—Aluminum alloy electroless          |   |                      |   |   |    |    |   |
|                              | nickel plating                        |   |                      |   |   |    |    |   |
|                              | K—Stainless steel surface passivation |   |                      |   |   |    |    |   |
| NO :                         | 11 13 15 17 19 21 23 25               |   |                      |   |   |    |    |   |
|                              | B C D E F G H J                       |   |                      |   |   |    |    |   |
| Arrangement :                | See "contact code"                    |   |                      |   |   |    |    |   |
| Contact type :               | D1—PC                                 |   |                      |   |   |    |    |   |
|                              | D2—APC                                |   |                      |   |   |    |    |   |
| A specialized : N—Normal     |                                       |   | A、 B、 C、 D、 E—others |   |   |    |    |   |

Arrangement

| Shell | NO | Arrangement                                                                         |    | Shell | NO | Arrangement                                                                           |    |
|-------|----|-------------------------------------------------------------------------------------|----|-------|----|---------------------------------------------------------------------------------------|----|
| 11    | B  | Code                                                                                | 02 | 19    | F  | Code                                                                                  | 12 |
|       |    |    |    |       |    |    |    |
| 13    | C  | Code                                                                                | 04 | 21    | G  | Code                                                                                  | 16 |
|       |    |   |    |       |    |   |    |
| 15    | D  | Code                                                                                | 06 | 23    | H  | Code                                                                                  | 24 |
|       |    |  |    |       |    |  |    |
| 17    | E  | Code                                                                                | 08 | 25    | J  | Code                                                                                  | 32 |
|       |    |  |    |       |    |   |    |

Overall dimensions

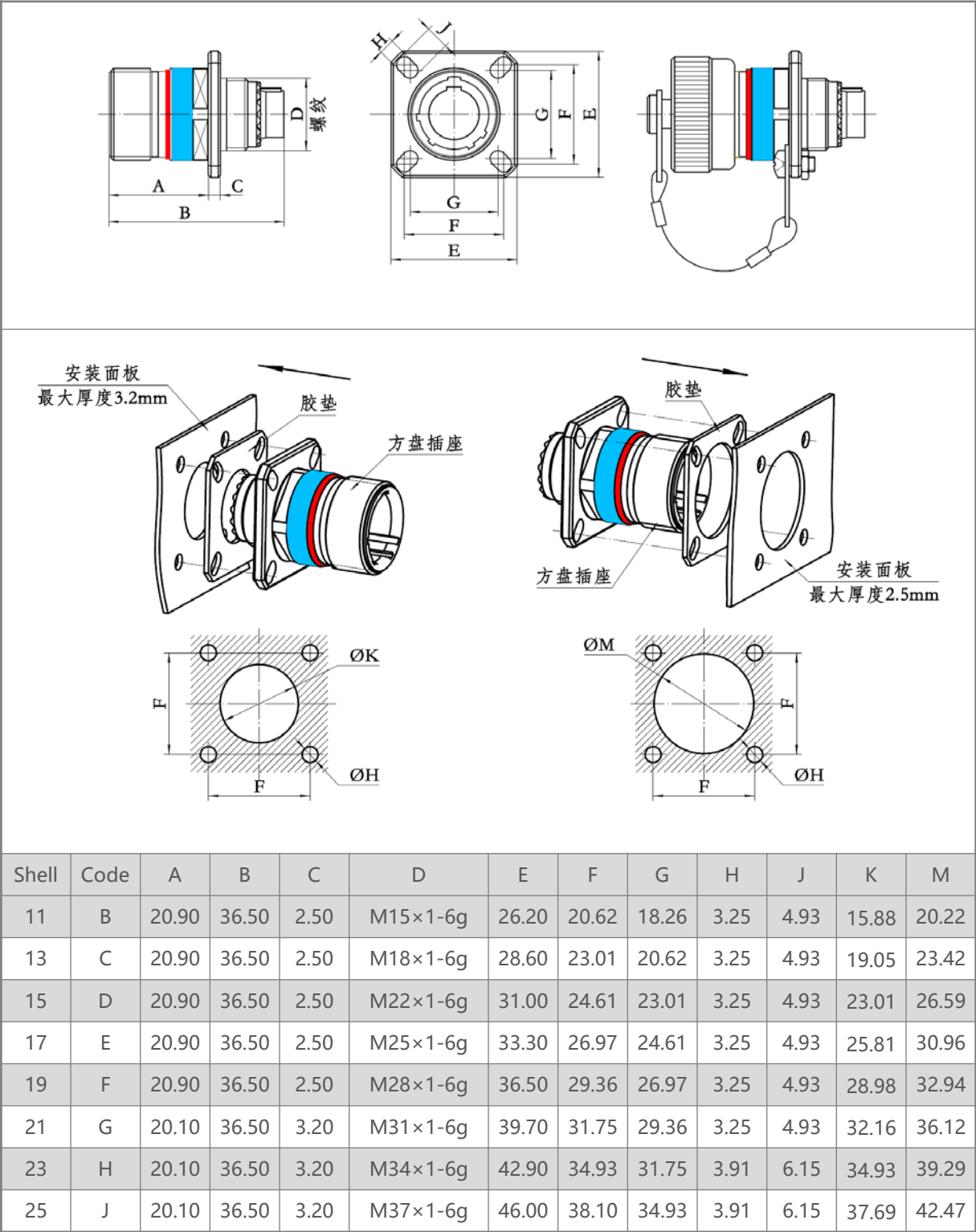
● Plug





Overall dimensions

● Socket



## Application

This series of products is based on J599 series circular optical fiber connector, with a standard MT multi-fiber rectangular fiber contact element, the precision guide pin guide structure, developed into a high density of environmental circular optical fiber connector, it inherits the J599 series optical fiber connector resistance to environment, the five key recognition, three thread locking and connecting locking all advantages.

## Features

Compliant with GJB599A(mil-dtl-38999)III series interface. The outer shell can be used for different materials and coatings to meet different environmental requirements. The first block is used to identify and locate the five-key circle, which can realize blind insertion and error prevention.

Use three thread fast connection, with anti - loosening mechanism.

Using standard 12-core or 24-core MT optical fiber contact parts, it can realize the precise docking of 12~96 (12\*N) optical fibers.



## Technical indicators

- |                                                                        |                                |
|------------------------------------------------------------------------|--------------------------------|
| ■ IL : $\leq 0.6\text{dB}$                                             | ■ vibration : 10Hz ~ 2000Hz    |
| ■ RL : $\geq 20\text{dB}$ ( MM/PC )                                    | ■ Shock : $2940\text{ m/s}^2$  |
| $\geq 40\text{dB}$ ( SM/PC )                                           | ■ Mechanical life : 500 次      |
| $\geq 60\text{dB}$ ( SM/APC )                                          | ■ Tensile : $\geq 800\text{N}$ |
| ■ Working temperature : $-40^{\circ}\text{C} \sim +80^{\circ}\text{C}$ | ■ Salt spray : 500h ( K )      |
|                                                                        | 500h ( W )                     |
|                                                                        | 48h ( F )                      |

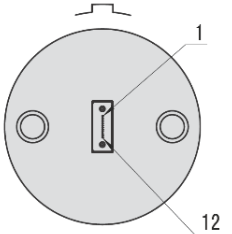
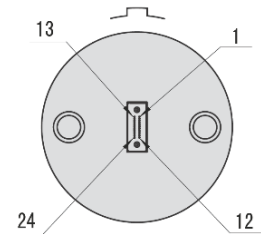
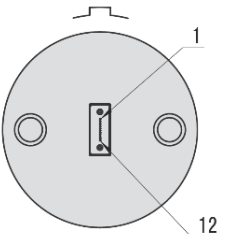
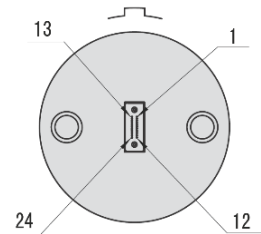
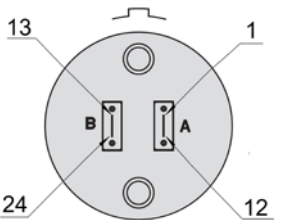
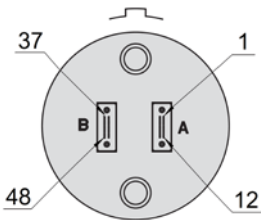
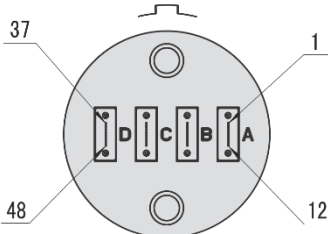
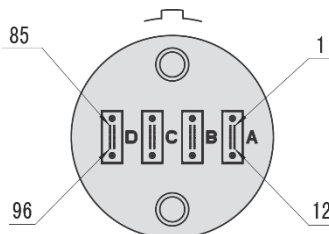
## Application field

- Aviation
- Electronic
- Ship
- Electric power
- Other optical fiber communication systems with poor environmental requirements.

Model nomenclature

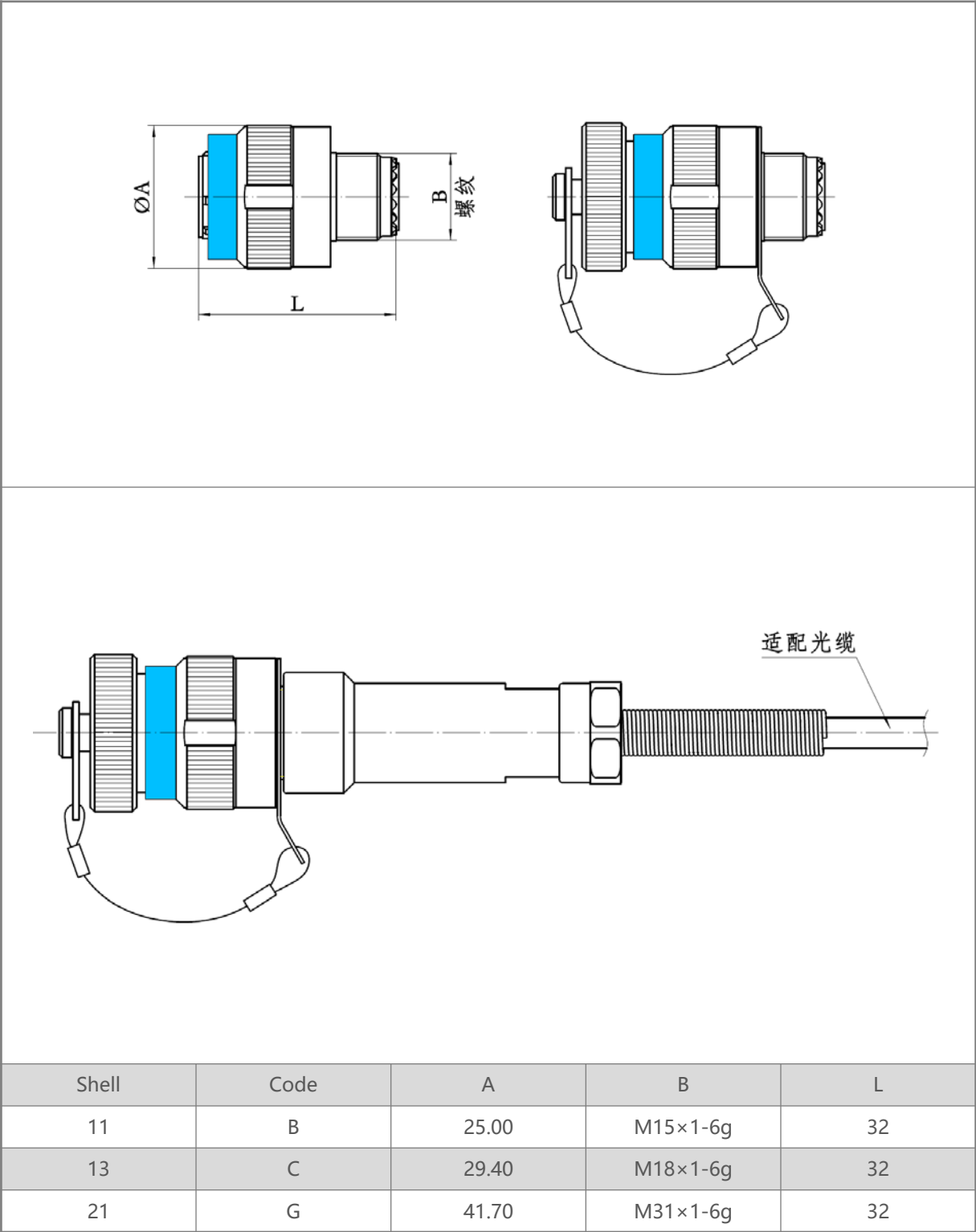
|                              |          | J599MT                                                                                                                                      | /                | 26 | F | B | 12 | B1 | N |
|------------------------------|----------|---------------------------------------------------------------------------------------------------------------------------------------------|------------------|----|---|---|----|----|---|
| Shell :                      |          | 20—Socket<br>26—Plug                                                                                                                        |                  |    |   |   |    |    |   |
| Shell material and coating : |          | W—Aluminum alloy with cadmium plated military green<br>F—Aluminum alloy electroless nickel plating<br>K—Stainless steel surface passivation |                  |    |   |   |    |    |   |
| NO :                         |          | 11 13 21<br>B C G                                                                                                                           |                  |    |   |   |    |    |   |
| Arrangement :                |          | See "contact code"                                                                                                                          |                  |    |   |   |    |    |   |
| Contact type :               |          | A1—MT/PC +pin<br>A2—MT/APC+pin<br>B1—MT/PC<br>B2—MT/APC                                                                                     |                  |    |   |   |    |    |   |
| Aspecializedlized            | N—Normal |                                                                                                                                             | A、B、C、D、E—Others |    |   |   |    |    |   |

Arrangement

| Shell | Code | Arrangement                                                                         |        |                                                                                      |        |
|-------|------|-------------------------------------------------------------------------------------|--------|--------------------------------------------------------------------------------------|--------|
| 11    | B    | Code                                                                                | 12     | Code                                                                                 | 24     |
|       |      |                                                                                     | 1-MT12 |                                                                                      | 1-MT24 |
|       |      |    |        |    |        |
| 13    | C    | Code                                                                                | 12     | Code                                                                                 | 24     |
|       |      |                                                                                     | 1-MT12 |                                                                                      | 1-MT24 |
|       |      |   |        |   |        |
|       |      | Code                                                                                | 99     | Code                                                                                 | 98     |
|       |      |                                                                                     | 2-MT12 |                                                                                      | 2-MT24 |
|       |      |  |        |  |        |
| 21    | G    | Code                                                                                | 48     | Code                                                                                 | 96     |
|       |      |                                                                                     | 4-MT12 |                                                                                      | 4-MT24 |
|       |      |  |        |  |        |

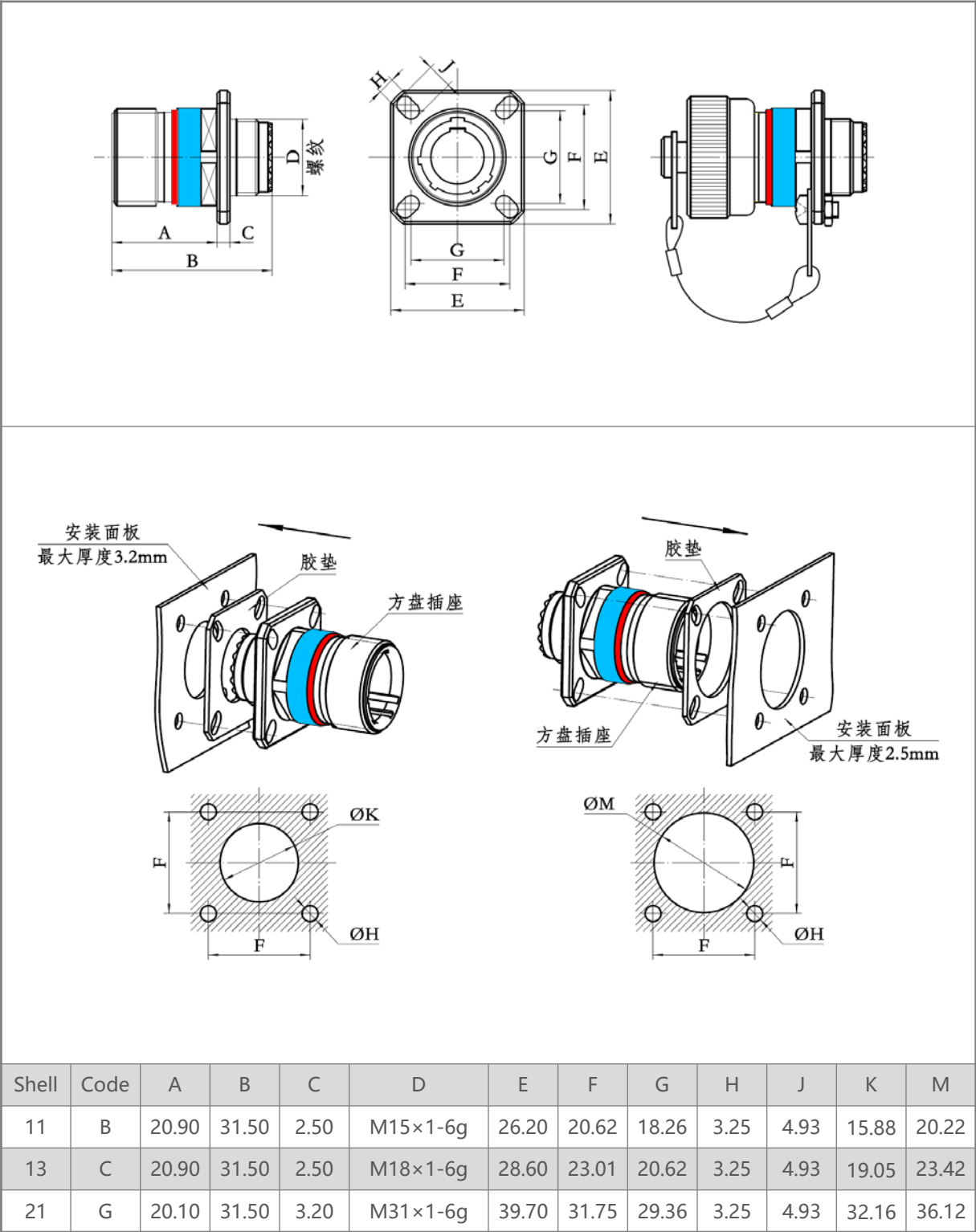
Overall dimensions

● Plug



Overall dimensions

● Socket



## Application

JYS miniaturization of optical fiber connector series adopts  $\Phi$  standard 1.25 mm ceramic core, card lock the connection button and miniaturization of metal shell, can connect two or four core optical fiber core at the same time.

The products are mainly used to replace the civil activity connectors such as FC and LC.

## Features

Three - key positioning, blind insertion and anti - error insertion function.

Quick bayonet connection.

The outer shell is suitable for different materials and coatings.

Ceramic insert and ceramic casing are used for positioning, PC grinding.



## Technical indicators

- IL :  $\leq 0.5\text{dB}$
- Working temperature :  $-55^{\circ}\text{C} \sim +85^{\circ}\text{C}$
- vibration :  $10\text{Hz} \sim 2000\text{Hz}$
- Shock :  $2940\text{ m/s}^2$
- Mechanical life : 500 次

## Application field

- Aviation
- Electronic
- Ship
- Electric power

Model nomenclature

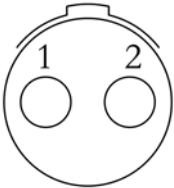
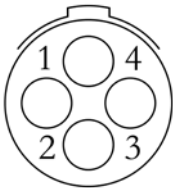
【Plug】

|                  |                                                     |                   |                                            |   |   |    |   |
|------------------|-----------------------------------------------------|-------------------|--------------------------------------------|---|---|----|---|
|                  | JYS                                                 | K                 | 2                                          | 2 | N | 02 | Z |
| Shell material   | K—Stainless steel surface and coating : passivation |                   |                                            |   |   |    |   |
| NO :             | 2                                                   |                   |                                            |   |   |    |   |
| Arrangement :    | See "contact code"                                  |                   |                                            |   |   |    |   |
| A specialized :  | N—Normal                                            |                   |                                            |   |   |    |   |
| Sequence number: | 02                                                  |                   |                                            |   |   |    |   |
| Shell category   | Z—Socket                                            | W—Bending of plug | Ellipsis - plug with straight tail sheath. |   |   |    |   |

【Adapter】

|                              |                                       |   |   |   |   |   |   |   |    |
|------------------------------|---------------------------------------|---|---|---|---|---|---|---|----|
|                              | JYS                                   | K | 2 | 2 | N | - | A | - | 02 |
| Shell material and coating : | K—Stainless steel surface passivation |   |   |   |   |   |   |   |    |
| NO :                         | 2                                     |   |   |   |   |   |   |   |    |
| Arrangement :                | See "contact code"                    |   |   |   |   |   |   |   |    |
| A specialized :              | N—Normal                              |   |   |   |   |   |   |   |    |
| Shell category:              | A—Adapter                             |   |   |   |   |   |   |   |    |
| Sequence number :            | 02                                    |   |   |   |   |   |   |   |    |

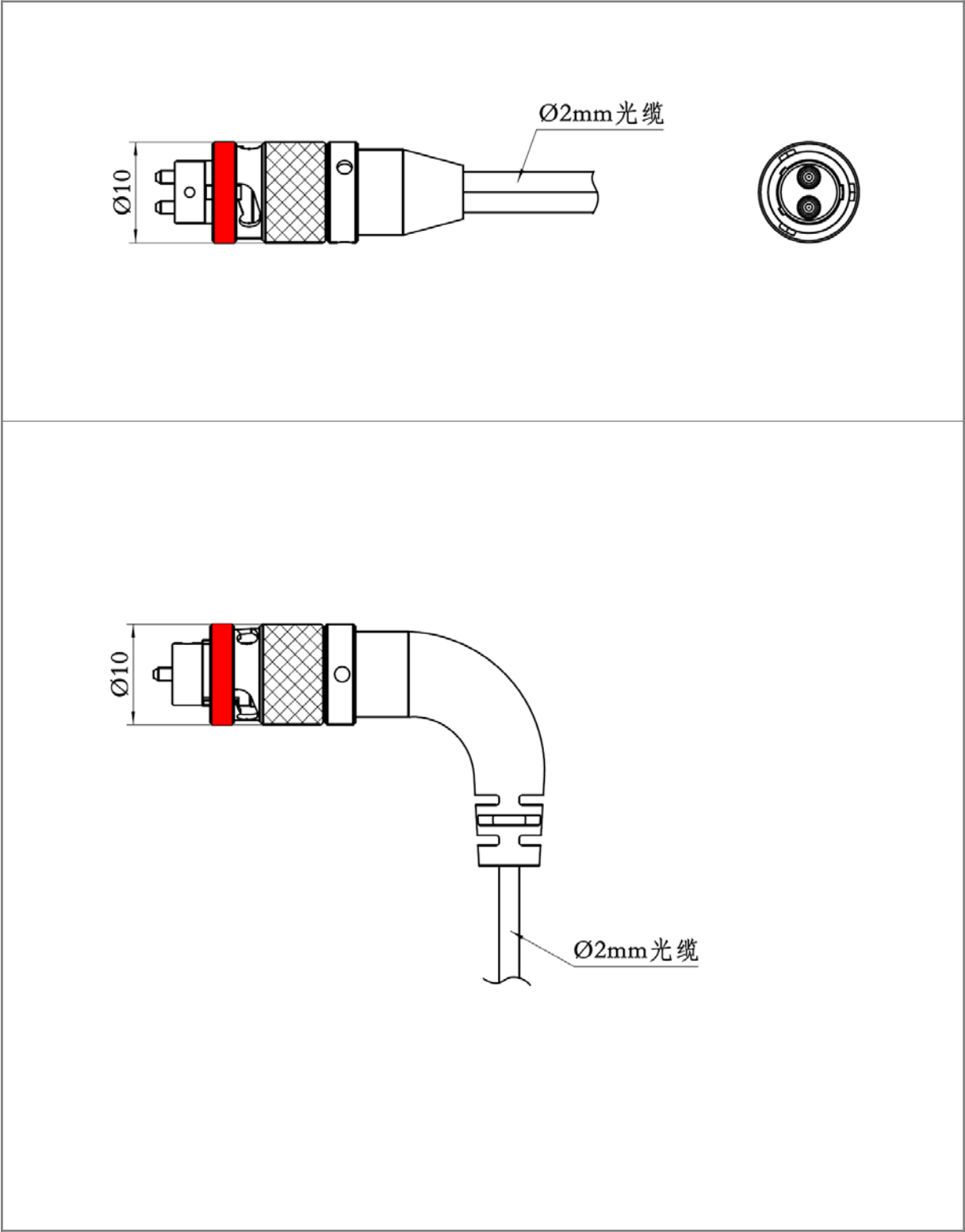
Arrangement

| Shell | Arrangement                                                                         |   |                                                                                      |   |
|-------|-------------------------------------------------------------------------------------|---|--------------------------------------------------------------------------------------|---|
| 2     | Code                                                                                | 2 | Code                                                                                 | 4 |
|       |  |   |  |   |



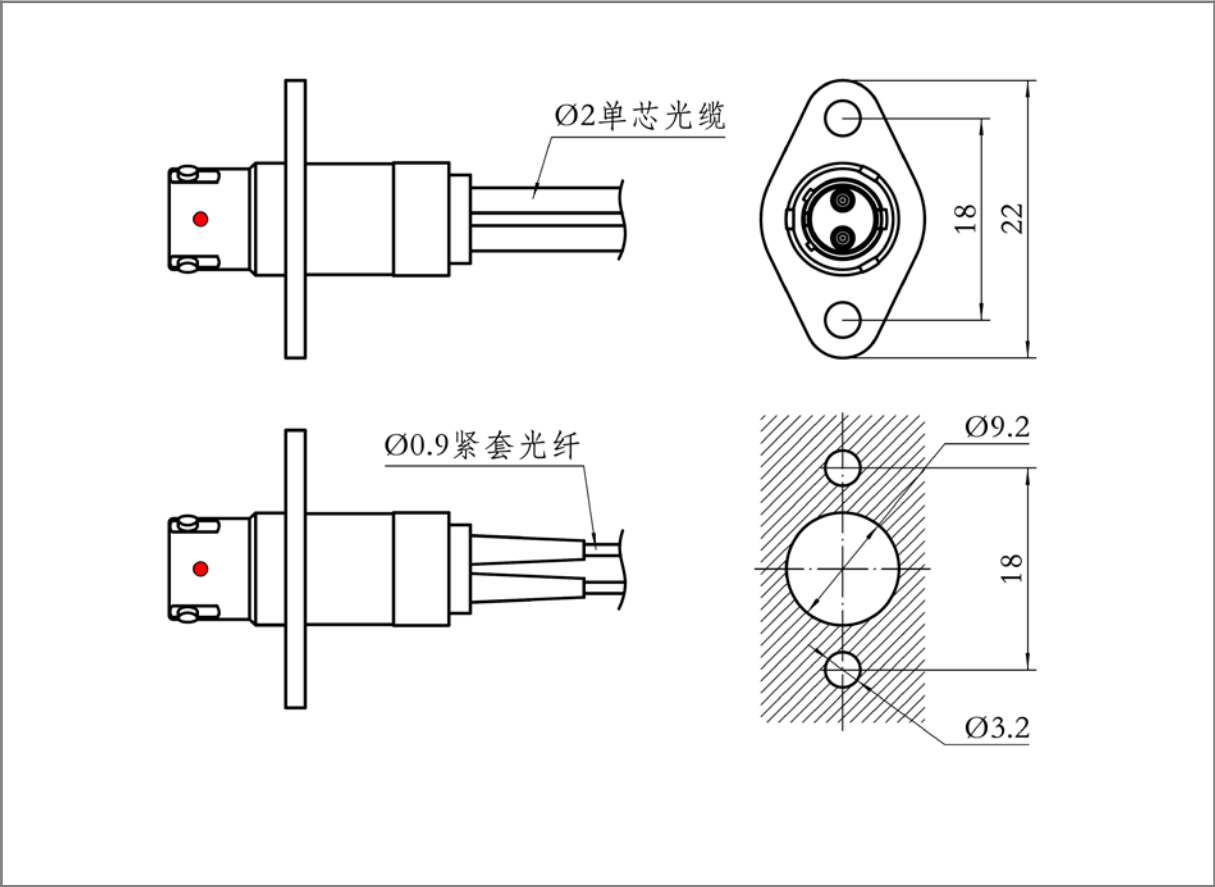
Overall dimensions

● Plug

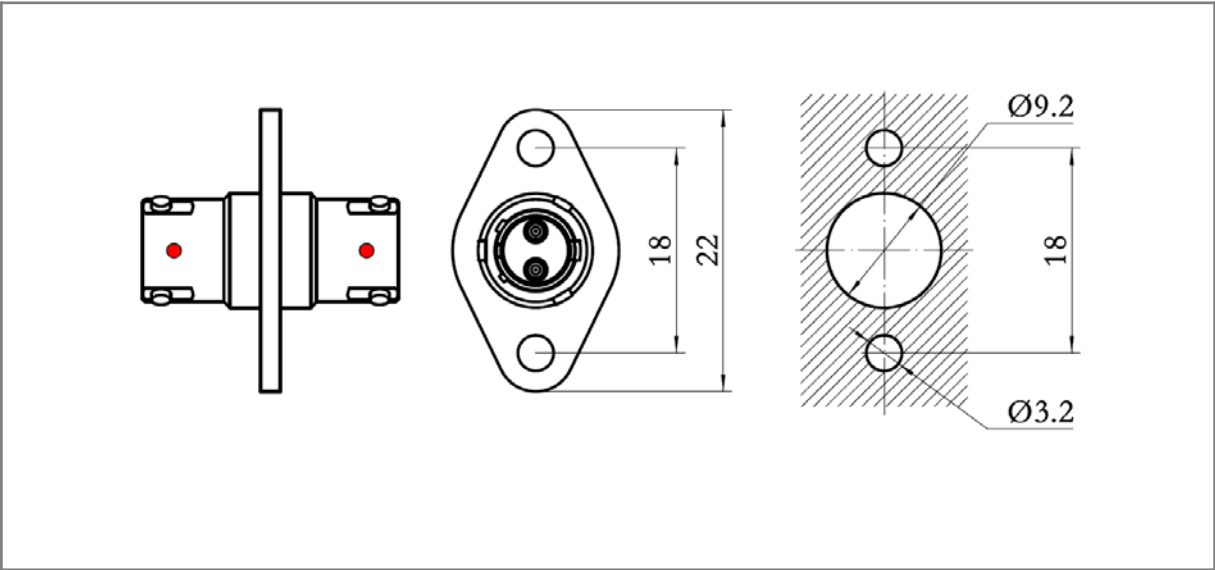


Overall dimensions

● Socket



● Adapter



Application

YZ series circular neutral fiber connector is a kind of multi-core, neutral and clamped round optical fiber connector which conforms to GJB1919 standard, including active connector and car wall connector.  
The shell is made of high quality aluminum alloy material or high polymer composite material. It has excellent properties such as anti-vibration, pressure resistance, waterproof, salt spray and dust proof.

Features

In line with the GJB 1919  
With neutral bayonet lock, fast connection and separation can be achieved.  
Through the wall sealing connection structure, can connect 2, 4, 6, 8 fiber at a time.  
Neutral structure design, regardless of male mother, plug and socket can be interlinked arbitrarily.  
The outer shell can be made of aluminum alloy or polymer composites.  
The ceramic cartridge and ceramic sleeve are used to realize the precise alignment of the fiber.



Technical indicators

- IL :  $\leq 0.8\text{dB}$  ( 2~4 )  
 $\leq 1.0\text{dB}$  ( 6~8 )
- Tensile :  $\leq 500\text{N}$
- Mechanical life : 500
- Temperature shock :  $-40^{\circ}\text{C}\sim +80^{\circ}\text{C}$
- Protection grade : IP67

Application field

Military optical fiber communication  
Military computer systems.  
In nuclear power  
Vehicular communication  
Other emergency communication

Model nomenclature

|                                                                                    | YZ | K1 | 02 | T | 01 |
|------------------------------------------------------------------------------------|----|----|----|---|----|
| Shell materialK1—Plastic shell bayonet type and coating : K2—Metal clip joint type |    |    |    |   |    |
| Core NO : 01,02,04,06,08                                                           |    |    |    |   |    |
| Shell category :<br>T—Plug<br>Z—Socket                                             |    |    |    |   |    |
| Sequence number : 01 , 02 , 03                                                     |    |    |    |   |    |

Application

The MPO/MTP connector conforms to the standard IEC61754-7. It is a high-density optical fiber connector.



Features

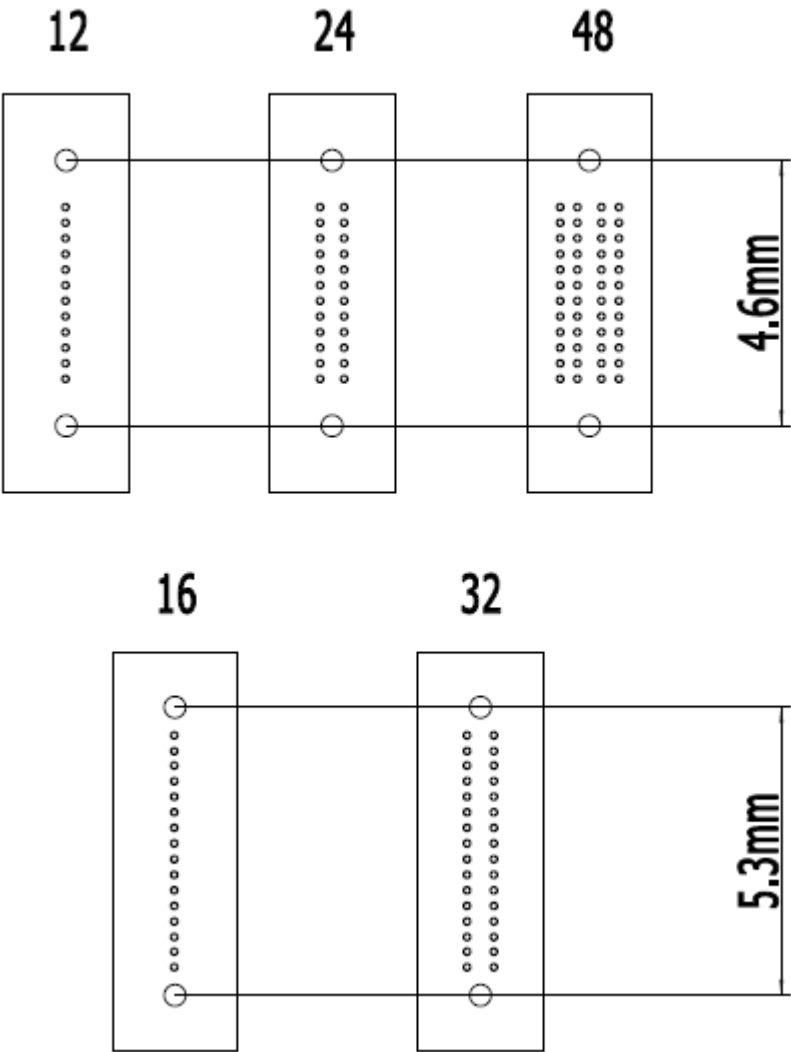
- Standard composite shell.
- Push-pull structure
- High density mounting
- Fitted with bunches of optical fiber and ribbon cable



Technical indicators

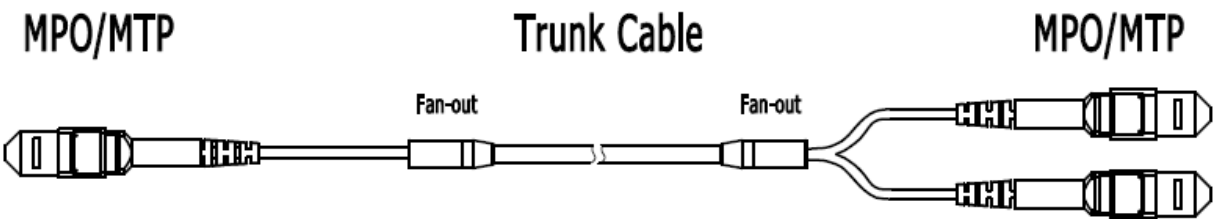
| Technical indicators | SM                               | MM                               |
|----------------------|----------------------------------|----------------------------------|
| IL                   | ≤0.75dB（standard）<br>≤0.35dB（LL） | ≤0.75dB（standard）<br>≤0.35dB（LL） |
| RL                   | ≥40dB（PC）， ≥60dB（APC）            | ≥30dB                            |
| Durability           | 500 times                        |                                  |
| Stability            | ≤0.2dB                           |                                  |
| Node arrangement     | 12,16,24,32,48                   |                                  |

Arrangement



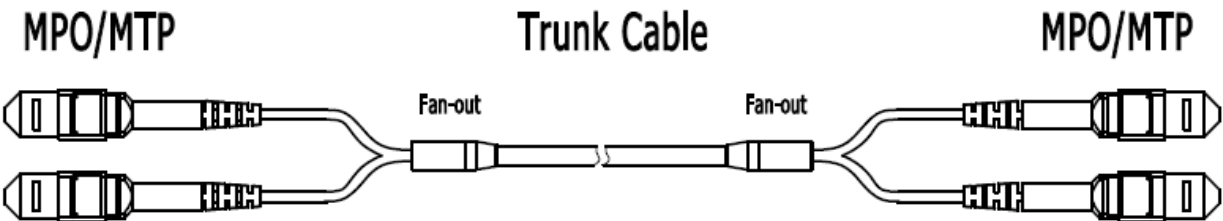
Product classification

1. One MPO/MTP connector fans out multiple MPO/MTP connectors



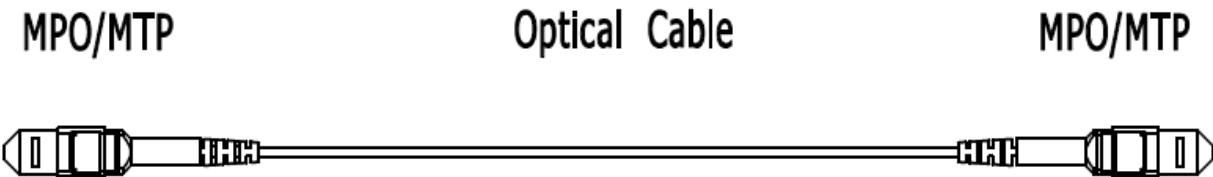
Product details :  
24F to 12F , 16F to 8F or 32F to 16F ;  
Cable can be OM3 or SM ( G657A2 ) , the length can be customized.

2. Multiple MPO/MTP connectors to multiple MPO/MTP connectors



Product details :  
Cable can be OM3 or SM ( G657A2 ) , the length can be customized.  
The number of connectors can be customized.

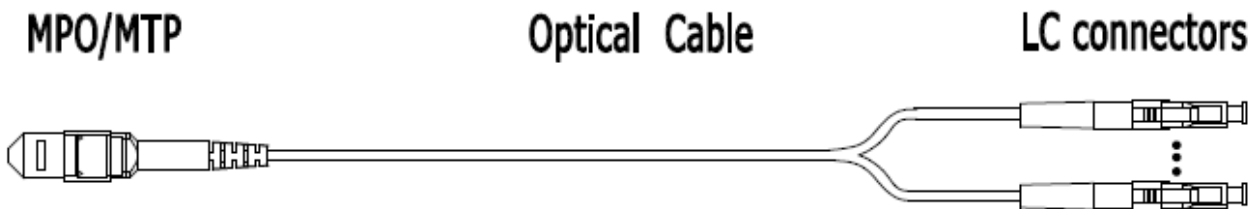
3. One MPO/MTP connector to one MPO/MTP connector



Product details :  
MPO/MTP connector can be 12F , 16F , 24F , 32F , 48F.  
Cable can be OM3 or SM ( G657A2 ) , the length can be customized.

Product classification

4. One MPO/MTP connector fans out multiple LC connectors



Product details :  
MPO/MTP connector can be 12F , 16F , 24F , 32F , 48F ;  
Cable can be OM3 or SM ( G657A2 ) , the length can be customized.

Product samples





Technical indicators

| Technical indicators | SM                   | MM               |
|----------------------|----------------------|------------------|
| IL                   | ≤0.3dB（standard）     | ≤0.3dB（standard） |
| RL                   | ≥40dB（PC），≥60dB（APC） | ≥30dB            |
| Durability           | 500 times            |                  |
| Interchangeability   | ≤0.3dB               |                  |

Product classification

- Product details :
- 1. Connectors and cables can be customized.
  - 2. The outer diameter of the cable can be 0.9mm , 2mm or 3mm.
  - 3. The interchangeability of connectors can be improved by special treatment.

Product samples

