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HSING CHAU INDUSTRIAL CO., LTD.

COMPANY PROFILE

CORPORATE MILESTONE

1975 Hsing Chau Industrial Co., Ltd. was established.
Produced traditional telephone accessories.

1982 Produced modular telephone accessories.

1989 Emphasized to the datacom/networking products development.

1992 Produced the Category 5 products according to the ANSI/TIA/EIA-568-A Standard.

2000 Introduced the Optical Fiber products to cabling market. Established manufacture site in Ningbo, China.

2001 Produced the Category 5e products according to the ANSI/TIA/EIA-568-B Standard.

2002 Produced the Category 6 products according to the ANSI/TIA/EIA-568-B.2-1 Standard.

2003 Obtained the SGS Certificate of ISO 9001:2000.

2005 Joint venture with Telegärtner as Telegärtner-HCI Taiwan Inc. Implement RoHS requirement into the production process.

2006 Produced the Multimedia products.

2007 Launched the 10G-over-UTP solution to the cabling market.

COMPANY PROFILE

SPEED OF LIGHT

OPTICAL FIBER

An optical fiber (or fibre) is a transparent thin fiber, usually made of glass or plastic, for transmitting light. Fiber optics is the branch of science and engineering concerned with such optical fibers.

Optical fibers are commonly used in telecommunication systems, as well as in illumination, sensors, and imaging optics.

TELECOMMUNICATIONS



OPTICAL FIBER

CONTENTS

| | |
|-------|------------------------|
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SPECIFICATIONS

- Typical Insertion Loss: $\leq 0.15\text{dB}$.
- Durability (500 Cycles): Max. 0.15dB Increase.
- Retention Force: 200~600g.
- Operating Temperature: $-20^{\circ}\text{C}\sim 70^{\circ}\text{C}$.

FEATURES

- High performance interconnections offer very low insertion loss.
- Ceramic (Zirconia) or low-cost Phosphor Bronze alignment sleeves.
- Standard and hybrid adapters.
- Environmental stable.

APPLICATIONS

- Telecommunication Networks.
- Fiber To The Home. (FTTH)
- Fiber Optic Sensors.
- LANs.
- CATV.



ST STYLE

ORDERING INFORMATION

| Part No. | Description |
|--------------|-------------------------------|
| HC-OAD-ST-C | ST Single-mode Adapter |
| HC-OAD-ST-P | ST Multimode Adapter |
| HC-OAD-DST-C | Duplex ST Single-mode Adapter |
| HC-OAD-DST-P | Duplex ST Multimode Adapter |



FC STYLE

ORDERING INFORMATION

| Part No. | Description |
|-------------|----------------------------|
| HC-OAD-FC-A | FC/APC Single-mode Adapter |
| HC-OAD-FC-C | FC Single-mode Adapter |
| HC-OAD-FC-P | FC Multimode Adapter |



SC STYLE

ORDERING INFORMATION

| Part No. | Description |
|--------------|-----------------------------------|
| HC-OAD-SC-A | SC/APC Single-mode Adapter |
| HC-OAD-SC-C | SC Single-mode Adapter |
| HC-OAD-SC-P | SC Multimode Adapter |
| HC-OAD-DSC-A | Duplex SC/APC Single-mode Adapter |
| HC-OAD-DSC-C | Duplex SC Single-mode Adapter |
| HC-OAD-DSC-P | Duplex SC Multimode Adapter |



MT-RJ STYLE

ORDERING INFORMATION

| Part No. | Description |
|-------------|--|
| HC-OAD-MT | MT-RJ Multimode Adapter, SC Footprint Type |
| HC-OAD-MT-K | MT-RJ Multimode Adapter W/Reverse Key, SC Footprint Type |



LC STYLE

ORDERING INFORMATION

| Part No. | Description |
|----------------|--|
| HC-OAD-LC-C | LC Single-mode Adapter |
| HC-OAD-LC-P | LC Multimode Adapter |
| HC-OAD-DSL-C | Duplex LC Single-mode Adapter, SC Footprint Type |
| HC-OAD-DSL-C-P | Duplex LC Multimode Adapter, SC Footprint Type |



HYBRID STYLE

ORDERING INFORMATION

| Part No. | Description |
|-----------------|----------------------------------|
| HC-OHA-ST/FC-C | ST-FC Single-mode Adapter |
| HC-OHA-ST/FC-P | ST-FC Multimode Adapter |
| HC-OHA-SC/ST-C | SC-ST Single-mode Adapter |
| HC-OHA-SC/ST-P | SC-ST Multimode Adapter |
| HC-OHA-SC/FC-C | SC-FC Single-mode Adapter |
| HC-OHA-SC/FC-P | SC-FC Multimode Adapter |
| HC-OHA-DSC/ST-C | Duplex SC-ST Single-mode Adapter |
| HC-OHA-DSC/ST-P | Duplex SC-ST Multimode Adapter |

SPECIFICATIONS

- OS1: 9/125µm Single-Mode Fiber.
- OM1: 62.5/125µm Multimode Fiber.
- OM2: 50/125µm Multimode Fiber.
- OM3: 50/125µm Multimode Fiber.

FEATURES

- High performance ceramic ferrule offers low attenuation.
- FR-PVC meets the requirement of National Electrical Code (NEC article 770) and is OFNR listed.
- Environmental stable.
- Available in 4, 6, 8 and 12-core.

INDOOR DISTRIBUTION CABLES (RISER-RATED PVC)

ORDERING INFORMATION

| Part No. | Description |
|-------------------|--|
| HC-IDB04-S-2000C | 4C Indoor Distribution Cable, OS1, L=2km/RL, Yellow PVC |
| HC-IDB04-L-2000C | 4C Indoor Distribution Cable, OM1, L=2km/RL, Orange PVC |
| HC-IDB04-M-2000C | 4C Indoor Distribution Cable, OM2, L=2km/RL, Orange PVC |
| HC-IDB04-M3-2000C | 4C Indoor Distribution Cable, OM3, L=2km/RL, Orange PVC |
| HC-IDB06-S-2000C | 6C Indoor Distribution Cable, OS1, L=2km/RL, Yellow PVC |
| HC-IDB06-L-2000C | 6C Indoor Distribution Cable, OM1, L=2km/RL, Orange PVC |
| HC-IDB06-M-2000C | 6C Indoor Distribution Cable, OM2, L=2km/RL, Orange PVC |
| HC-IDB06-M3-2000C | 6C Indoor Distribution Cable, OM3, L=2km/RL, Orange PVC |
| HC-IDB08-S-2000C | 8C Indoor Distribution Cable, OS1, L=2km/RL, Yellow PVC |
| HC-IDB08-L-2000C | 8C Indoor Distribution Cable, OM1, L=2km/RL, Orange PVC |
| HC-IDB08-M-2000C | 8C Indoor Distribution Cable, OM2, L=2km/RL, Orange PVC |
| HC-IDB08-M3-2000C | 8C Indoor Distribution Cable, OM3, L=2km/RL, Orange PVC |
| HC-IDB12-S-2000C | 12C Indoor Distribution Cable, OS1, L=2km/RL, Yellow PVC |
| HC-IDB12-L-2000C | 12C Indoor Distribution Cable, OM1, L=2km/RL, Orange PVC |
| HC-IDB12-M-2000C | 12C Indoor Distribution Cable, OM2, L=2km/RL, Orange PVC |
| HC-IDB12-M3-2000C | 12C Indoor Distribution Cable, OM3, L=2km/RL, Orange PVC |



INDOOR DISTRIBUTION CABLES (LSZH)

ORDERING INFORMATION

| Part No. | Description |
|-------------------|---|
| HC-IDB04-S-2000L | 4C Indoor Distribution Cable, OS1, L=2km/RL, Yellow LSZH |
| HC-IDB04-L-2000L | 4C Indoor Distribution Cable, OM1, L=2km/RL, Orange LSZH |
| HC-IDB04-M-2000L | 4C Indoor Distribution Cable, OM2, L=2km/RL, Orange LSZH |
| HC-IDB04-M3-2000L | 4C Indoor Distribution Cable, OM3, L=2km/RL, Orange LSZH |
| HC-IDB06-S-2000L | 6C Indoor Distribution Cable, OS1, L=2km/RL, Yellow LSZH |
| HC-IDB06-L-2000L | 6C Indoor Distribution Cable, OM1, L=2km/RL, Orange LSZH |
| HC-IDB06-M-2000L | 6C Indoor Distribution Cable, OM2, L=2km/RL, Orange LSZH |
| HC-IDB06-M3-2000L | 6C Indoor Distribution Cable, OM3, L=2km/RL, Orange LSZH |
| HC-IDB08-S-2000L | 8C Indoor Distribution Cable, OS1, L=2km/RL, Yellow LSZH |
| HC-IDB08-L-2000L | 8C Indoor Distribution Cable, OM1, L=2km/RL, Orange LSZH |
| HC-IDB08-M-2000L | 8C Indoor Distribution Cable, OM2, L=2km/RL, Orange LSZH |
| HC-IDB08-M3-2000L | 8C Indoor Distribution Cable, OM3, L=2km/RL, Orange LSZH |
| HC-IDB12-S-2000L | 12C Indoor Distribution Cable, OS1, L=2km/RL, Yellow LSZH |
| HC-IDB12-L-2000L | 12C Indoor Distribution Cable, OM1, L=2km/RL, Orange LSZH |
| HC-IDB12-M-2000L | 12C Indoor Distribution Cable, OM2, L=2km/RL, Orange LSZH |
| HC-IDB12-M3-2000L | 12C Indoor Distribution Cable, OM3, L=2km/RL, Orange LSZH |



INDOOR/OUTDOOR DISTRIBUTION CABLES (LSZH)

ORDERING INFORMATION

| Part No. | Description |
|-------------------|---|
| HC-IOD04-S-2000L | 4C In/Outdoor Distribution Cable, OS1, L=2km/RL, Yellow LSZH |
| HC-IOD04-L-2000L | 4C In/Outdoor Distribution Cable, OM1, L=2km/RL, Orange LSZH |
| HC-IOD04-M-2000L | 4C In/Outdoor Distribution Cable, OM2, L=2km/RL, Orange LSZH |
| HC-IOD04-M3-2000L | 4C In/Outdoor Distribution Cable, OM3, L=2km/RL, Orange LSZH |
| HC-IOD06-S-2000L | 6C In/Outdoor Distribution Cable, OS1, L=2km/RL, Yellow LSZH |
| HC-IOD06-L-2000L | 6C In/Outdoor Distribution Cable, OM1, L=2km/RL, Orange LSZH |
| HC-IOD06-M-2000L | 6C In/Outdoor Distribution Cable, OM2, L=2km/RL, Orange LSZH |
| HC-IOD06-M3-2000L | 6C In/Outdoor Distribution Cable, OM3, L=2km/RL, Orange LSZH |
| HC-IOD08-S-2000L | 8C In/Outdoor Distribution Cable, OS1, L=2km/RL, Yellow LSZH |
| HC-IOD08-L-2000L | 8C In/Outdoor Distribution Cable, OM1, L=2km/RL, Orange LSZH |
| HC-IOD08-M-2000L | 8C In/Outdoor Distribution Cable, OM2, L=2km/RL, Orange LSZH |
| HC-IOD08-M3-2000L | 8C In/Outdoor Distribution Cable, OM3, L=2km/RL, Orange LSZH |
| HC-IOD12-S-2000L | 12C In/Outdoor Distribution Cable, OS1, L=2km/RL, Yellow LSZH |
| HC-IOD12-L-2000L | 12C In/Outdoor Distribution Cable, OM1, L=2km/RL, Orange LSZH |
| HC-IOD12-M-2000L | 12C In/Outdoor Distribution Cable, OM2, L=2km/RL, Orange LSZH |
| HC-IOD12-M3-2000L | 12C In/Outdoor Distribution Cable, OM3, L=2km/RL, Orange LSZH |



INDOOR/OUTDOOR DISTRIBUTION CABLES (UV-Resistant PE)

ORDERING INFORMATION

| Part No. | Description |
|-------------------|--|
| HC-IOD04-S-2000E | 4C In/Outdoor Distribution Cable, OS1, L=2km/RL, Black PE |
| HC-IOD04-L-2000E | 4C In/Outdoor Distribution Cable, OM1, L=2km/RL, Black PE |
| HC-IOD04-M-2000E | 4C In/Outdoor Distribution Cable, OM2, L=2km/RL, Black PE |
| HC-IOD04-M3-2000E | 4C In/Outdoor Distribution Cable, OM3, L=2km/RL, Black PE |
| HC-IOD06-S-2000E | 6C In/Outdoor Distribution Cable, OS1, L=2km/RL, Black PE |
| HC-IOD06-L-2000E | 6C In/Outdoor Distribution Cable, OM1, L=2km/RL, Black PE |
| HC-IOD06-M-2000E | 6C In/Outdoor Distribution Cable, OM2, L=2km/RL, Black PE |
| HC-IOD06-M3-2000E | 6C In/Outdoor Distribution Cable, OM3, L=2km/RL, Black PE |
| HC-IOD08-S-2000E | 8C In/Outdoor Distribution Cable, OS1, L=2km/RL, Black PE |
| HC-IOD08-L-2000E | 8C In/Outdoor Distribution Cable, OM1, L=2km/RL, Black PE |
| HC-IOD08-M-2000E | 8C In/Outdoor Distribution Cable, OM2, L=2km/RL, Black PE |
| HC-IOD08-M3-2000E | 8C In/Outdoor Distribution Cable, OM3, L=2km/RL, Black PE |
| HC-IOD12-S-2000E | 12C In/Outdoor Distribution Cable, OS1, L=2km/RL, Black PE |
| HC-IOD12-L-2000E | 12C In/Outdoor Distribution Cable, OM1, L=2km/RL, Black PE |
| HC-IOD12-M-2000E | 12C In/Outdoor Distribution Cable, OM2, L=2km/RL, Black PE |
| HC-IOD12-M3-2000E | 12C In/Outdoor Distribution Cable, OM3, L=2km/RL, Black PE |



INDOOR/OUTDOOR SINGLE-TUBE CABLES (LSZH)

ORDERING INFORMATION

| Part No. | Description |
|-------------------|---|
| HC-IOS04-S-2000L | 4C In/Outdoor Single-Tube Cable, OS1, L=2km/RL, Black LSZH |
| HC-IOS04-L-2000L | 4C In/Outdoor Single-Tube Cable, OM1, L=2km/RL, Black LSZH |
| HC-IOS04-M-2000L | 4C In/Outdoor Single-Tube Cable, OM2, L=2km/RL, Black LSZH |
| HC-IOS04-M3-2000L | 4C In/Outdoor Single-Tube Cable, OM3, L=2km/RL, Black LSZH |
| HC-IOS06-S-2000L | 6C In/Outdoor Single-Tube Cable, OS1, L=2km/RL, Black LSZH |
| HC-IOS06-L-2000L | 6C In/Outdoor Single-Tube Cable, OM1, L=2km/RL, Black LSZH |
| HC-IOS06-M-2000L | 6C In/Outdoor Single-Tube Cable, OM2, L=2km/RL, Black LSZH |
| HC-IOS06-M3-2000L | 6C In/Outdoor Single-Tube Cable, OM3, L=2km/RL, Black LSZH |
| HC-IOS08-S-2000L | 8C In/Outdoor Single-Tube Cable, OS1, L=2km/RL, Black LSZH |
| HC-IOS08-L-2000L | 8C In/Outdoor Single-Tube Cable, OM1, L=2km/RL, Black LSZH |
| HC-IOS08-M-2000L | 8C In/Outdoor Single-Tube Cable, OM2, L=2km/RL, Black LSZH |
| HC-IOS08-M3-2000L | 8C In/Outdoor Single-Tube Cable, OM3, L=2km/RL, Black LSZH |
| HC-IOS12-S-2000L | 12C In/Outdoor Single-Tube Cable, OS1, L=2km/RL, Black LSZH |
| HC-IOS12-L-2000L | 12C In/Outdoor Single-Tube Cable, OM1, L=2km/RL, Black LSZH |
| HC-IOS12-M-2000L | 12C In/Outdoor Single-Tube Cable, OM2, L=2km/RL, Black LSZH |
| HC-IOS12-M3-2000L | 12C In/Outdoor Single-Tube Cable, OM3, L=2km/RL, Black LSZH |



OUTDOOR SINGLE-TUBE CABLES (PE)

ORDERING INFORMATION

| Part No. | Description |
|-------------------|--|
| HC-OST04-S-2000E | 4C Outdoor Single-Tube Cable, OS1, L=2km/RL, Black PE |
| HC-OST04-L-2000E | 4C Outdoor Single-Tube Cable, OM1, L=2km/RL, Black PE |
| HC-OST04-M-2000E | 4C Outdoor Single-Tube Cable, OM2, L=2km/RL, Black PE |
| HC-OST04-M3-2000E | 4C Outdoor Single-Tube Cable, OM3, L=2km/RL, Black PE |
| HC-OST06-S-2000E | 6C Outdoor Single-Tube Cable, OS1, L=2km/RL, Black PE |
| HC-OST06-L-2000E | 6C Outdoor Single-Tube Cable, OM1, L=2km/RL, Black PE |
| HC-OST06-M-2000E | 6C Outdoor Single-Tube Cable, OM2, L=2km/RL, Black PE |
| HC-OST06-M3-2000E | 6C Outdoor Single-Tube Cable, OM3, L=2km/RL, Black PE |
| HC-OST08-S-2000E | 8C Outdoor Single-Tube Cable, OS1, L=2km/RL, Black PE |
| HC-OST08-L-2000E | 8C Outdoor Single-Tube Cable, OM1, L=2km/RL, Black PE |
| HC-OST08-M-2000E | 8C Outdoor Single-Tube Cable, OM2, L=2km/RL, Black PE |
| HC-OST08-M3-2000E | 8C Outdoor Single-Tube Cable, OM3, L=2km/RL, Black PE |
| HC-OST12-S-2000E | 12C Outdoor Single-Tube Cable, OS1, L=2km/RL, Black PE |
| HC-OST12-L-2000E | 12C Outdoor Single-Tube Cable, OM1, L=2km/RL, Black PE |
| HC-OST12-M-2000E | 12C Outdoor Single-Tube Cable, OM2, L=2km/RL, Black PE |
| HC-OST12-M3-2000E | 12C Outdoor Single-Tube Cable, OM3, L=2km/RL, Black PE |



SPECIFICATIONS

| Polishing Type | Typical Insertion Loss | | Typical Return Loss | |
|----------------|------------------------|--------|---------------------|--------|
| | PC | APC | PC | APC |
| Single-mode | ≤0.3dB | ≤0.4dB | ≤-45dB | ≤-65dB |
| Multimode | ≤0.5dB | - | - | - |

- Durability (500 Cycles): Max. 0.2dB Increase.
- Operating Temperature: -20°C~70°C.

FEATURES

- Compatible with NTT-SC, FC type, and AT&T-ST type connector standard.
- Quick-Assembly type and Multi-Parts type connector Available.
- Zirconia Ferrule provides extra low and stable loss.
- Wide range of ferrule hole diameter selections.
- Environmental stable.



ST STYLE

ORDERING INFORMATION

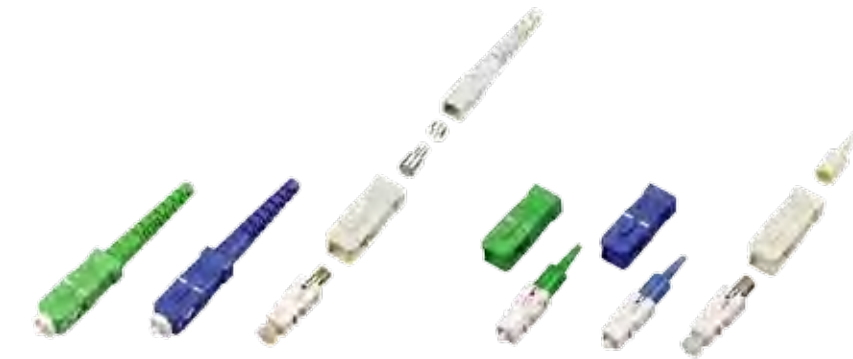
| Part No. | Description |
|----------------|--|
| HC-OCN-ST-S-09 | ST/PC Single-mode Connector, Boot I.D.=0.9mm |
| HC-OCN-ST-S-30 | ST/PC Single-mode Connector, Boot I.D.=3.0mm |
| HC-OCN-ST-M-09 | ST/PC Multimode Connector, Boot I.D.=0.9mm |
| HC-OCN-ST-M-30 | ST/PC Multimode Connector, Boot I.D.=3.0mm |



FC STYLE

ORDERING INFORMATION

| Part No. | Description |
|----------------|---|
| HC-OCN-FC-A-09 | FC/APC Single-mode Connector, Boot I.D.=0.9mm |
| HC-OCN-FC-A-30 | FC/APC Single-mode Connector, Boot I.D.=3.0mm |
| HC-OCN-FC-S-09 | FC/PC Single-mode Connector, Boot I.D.=0.9mm |
| HC-OCN-FC-S-30 | FC/PC Single-mode Connector, Boot I.D.=3.0mm |
| HC-OCN-FC-M-09 | FC/PC Multimode Connector, Boot I.D.=0.9mm |
| HC-OCN-FC-M-30 | FC/PC Multimode Connector, Boot I.D.=3.0mm |



SC STYLE

ORDERING INFORMATION

| Part No. | Description |
|----------------|---|
| HC-OCN-SC-A-09 | SC/APC Single-mode Connector, Boot I.D.=0.9mm |
| HC-OCN-SC-A-30 | SC/APC Single-mode Connector, Boot I.D.=3.0mm |
| HC-OCN-SC-S-09 | SC/PC Single-mode Connector, Boot I.D.=0.9mm |
| HC-OCN-SC-S-30 | SC/PC Single-mode Connector, Boot I.D.=3.0mm |
| HC-OCN-SC-M-09 | SC/PC Multimode Connector, Boot I.D.=0.9mm |
| HC-OCN-SC-M-30 | SC/PC Multimode Connector, Boot I.D.=3.0mm |



FEATURES

- Small size designed to feature the simplicity of easy push-pull connections.
- All the optical performance benefits that are found in standard single mode and multi mode connectivity.
- Enhanced strain relief round cable.
- Environmental stable.

MT-RJ STYLE

ORDERING INFORMATION

| Part No. | Description |
|---------------|--|
| HC-OCN-MT-S | MT-RJ Single-mode Connector, Boot I.D.=3.6mm |
| HC-OCN-MT-S-G | MT-RJ Single-mode Connector W/Guide Pin, Boot I.D.=3.6mm |
| HC-OCN-MT-M | MT-RJ Multimode Connector, Boot I.D.=3.6mm |
| HC-OCN-MT-M-G | MT-RJ Multimode Connector W/Guide Pin, Boot I.D.=3.6mm |



LC STYLE

ORDERING INFORMATION

| Part No. | Description |
|----------------|--|
| HC-OCN-LC-S-09 | LC/PC Single-mode Connector, Boot I.D.=0.9mm |
| HC-OCN-LC-S-20 | LC/PC Single-mode Connector, Boot I.D.=2.0mm |
| HC-OCN-LC-M-09 | LC/PC Multimode Connector, Boot I.D.=0.9mm |
| HC-OCN-LC-M-20 | LC/PC Multimode Connector, Boot I.D.=2.0mm |

SPECIFICATIONS

(Standard Coupler Single-mode Dual Window Wideband)

| | | | |
|--------------------------|-------------------------|------------|------------|
| Operation Wavelength | 1310±40nm and 1550±40nm | | |
| Performance Grade | Super | High | |
| Uniformity (50 : 50) | ±0.80dB | ±1.2dB | |
| Thermal Stability | ±0.10dB | ±0.10dB | |
| Polarization Stability | ±0.15dB | ±0.20dB | |
| Max. Insertion Loss (dB) | 50 / 50 | 3.6 / 3.6 | 3.9 / 3.9 |
| | 40 / 60 | 4.7 / 2.7 | 5.0 / 2.9 |
| | 30 / 70 | 6.0 / 1.9 | 6.4 / 2.1 |
| | 20 / 80 | 7.9 / 1.2 | 8.5 / 1.4 |
| | 10 / 90 | 11.3 / 0.6 | 12.7 / 0.8 |
| | 5 / 95 | 15.2 / 0.4 | 18.9 / 0.5 |
| | 1 / 99 | 23.5 / 0.3 | 24.0 / 0.4 |
| Directivity | ±55dB | | |
| Operating Temperature | -40°C~+75°C | | |

FEATURES

- Single-mode, multimode, dual window, and wideband option.
- High port isolation.
- Stable attenuation values.
- Low insertion loss and back reflection.
- Excellent environment stability.
- Long term reliability.

APPLICATIONS

- Telecommunications.
- Fiber In The Loop.(FITL)
- Fiber optic sensors.
- Video transmission.
- LANs.
- CATV.
- Networking testing.



Standard Coupler 1x2 250 μm



Standard Coupler 1x2 900 μm



Standard Coupler 1x2 3mm



Tree Coupler 1x4 3mm

COUPLERS

ORDERING INFORMATION

| Part No. | HC-OCP-XX-X-XXXX-XX-(XX/XX-X)-XXX-XX 1 2 3 4 5 6 7 8 |
|--------------------------------|---|
| 1. Type & Operating Wavelength | S1: S.M. Single Window Standard, 1310±10nm S5: S.M. Single Window Standard, 1550±10nm W1: S.M. Single Window Wideband, 1310±40nm W5: S.M. Single Window Wideband, 1550±40nm DS: S.M. Dual Window Standard, 1310/1550±10nm DW: S.M. Dual Window Wideband, 1310/1550±40nm M1: M.M. 1310nm M8: M.M. 800nm |
| 2. Performance Level | H: High Grade, S: Super Grade |
| 3. No. of Ports | Input Ports (1, 2) x Output Ports (2, 4, 8, 16, 32) |

| | |
|---|--|
| 4. Coupling/Splitting Ratio | Nx2 couplers: 99: 99/1, 95: 95/5, 91: 90/10, 82: 80/20 73: 70/30, 67: 67/33 65: 65/35, 64: 60/40 54: 55/54, 55: 50/50 NxN couplers: SY: Symmetrical CU: Custom |
| 5. Connector Style for both ends (Input/Output) | ST, SC, FC |
| 6. Polishing Type | P: PC, S: SPC, U: UPC, A: APC |
| 7. Pigtail Option | 250: 250μm Bare Fiber 900: 900μm Loose Tube 3mm: 3mm PVC Jacketed |
| 8. Cable Length in meters | 01: 1 meter = 3.28 feet |

FEATURES

- Compatible with NTT-SC, FC type connector and AT&T-ST type connector standard.
- High performance ceramic ferrule offers low attenuation.
- Enhanced strain relief, zip cord and round cable.
- All cables are riser-rated (OFNR).
- Available in OS1 (9/125 μ m), OM1 (62.5/125 μ m), OM2 (50/125 μ m) and OM3 (50/125 μ m).
- Environmental stable.



ST STYLE

ORDERING INFORMATION

| Part No. | Description |
|------------------------|--|
| HC-OPC-ST/ST-S-30-001 | ST Patch Cord, OS1 Cable, O.D.=3.0mm, L=1m |
| HC-OPC-ST/ST-L-30-001 | ST Patch Cord, OM1 Cable, O.D.=3.0mm, L=1m |
| HC-OPC-ST/ST-M-30-001 | ST Patch Cord, OM2 Cable, O.D.=3.0mm, L=1m |
| HC-OPC-ST/ST-M3-30-001 | ST Patch Cord, OM3 Cable, O.D.=3.0mm, L=1m |



FC STYLE

ORDERING INFORMATION

| Part No. | Description |
|------------------------|--|
| HC-OPC-FC/FC-A-30-001 | FC/APC Patch Cord, OS1 Cable, O.D.=3.0mm, L=1m |
| HC-OPC-FC/FC-S-30-001 | FC Patch Cord, OS1 Cable, O.D.=3.0mm, L=1m |
| HC-OPC-FC/FC-L-30-001 | FC Patch Cord, OM1 Cable, O.D.=3.0mm, L=1m |
| HC-OPC-FC/FC-M-30-001 | FC Patch Cord, OM2 Cable, O.D.=3.0mm, L=1m |
| HC-OPC-FC/FC-M3-30-001 | FC Patch Cord, OM3 Cable, O.D.=3.0mm, L=1m |



SC STYLE

ORDERING INFORMATION

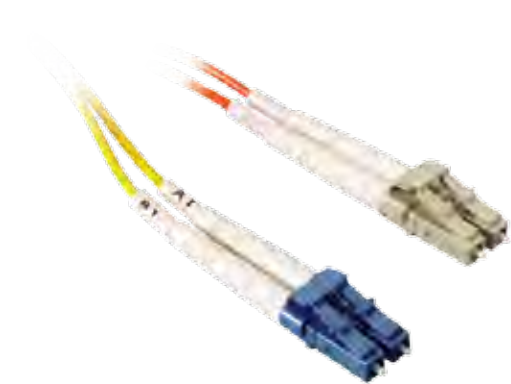
| Part No. | Description |
|-------------------------|---|
| HC-OPC-SC/SC-A-30-001 | SC/APC Patch Cord, OS1 Cable, O.D.=3.0mm, L=1m |
| HC-OPC-SC/SC-S-30-001 | SC Patch Cord, OS1 Cable, O.D.=3.0mm, L=1m |
| HC-OPC-SC/SC-L-30-001 | SC Patch Cord, OM1 Cable, O.D.=3.0mm, L=1m |
| HC-OPC-SC/SC-M-30-001 | SC Patch Cord, OM2 Cable, O.D.=3.0mm, L=1m |
| HC-OPC-SC/SC-M3-30-001 | SC Patch Cord, OM3 Cable, O.D.=3.0mm, L=1m |
| HC-OPC-DSC/SC-A-30-001 | Duplex SC/APC Patch Cord, OS1 Cable, O.D.=3.0mm, L=1m |
| HC-OPC-DSC/SC-S-30-001 | Duplex SC Patch Cord, OS1 Cable, O.D.=3.0mm, L=1m |
| HC-OPC-DSC/SC-L-30-001 | Duplex SC Patch Cord, OM1 Cable, O.D.=3.0mm, L=1m |
| HC-OPC-DSC/SC-M-30-001 | Duplex SC Patch Cord, OM2 Cable, O.D.=3.0mm, L=1m |
| HC-OPC-DSC/SC-M3-30-001 | Duplex SC Patch Cord, OM3 Cable, O.D.=3.0mm, L=1m |



MT-RJ STYLE

ORDERING INFORMATION

| Part No. | Description |
|----------------------|---|
| HC-OPC-MT/MT-S-G-001 | MT/RJ Patch Cord W/Guide Pin, OS1 Cable, O.D.=3.6mm, L=1m |
| HC-OPC-MT/MT-S-001 | MT/RJ Patch Cord, OS1 Cable, O.D.=3.6mm, L=1m |
| HC-OPC-MT/MT-L-001 | MT/RJ Patch Cord, OM1 Cable, O.D.=3.6mm, L=1m |
| HC-OPC-MT/MT-M-001 | MT/RJ Patch Cord, OM2 Cable, O.D.=3.6mm, L=1m |
| HC-OPC-MT/MT-M3-001 | MT/RJ Patch Cord, OM3 Cable, O.D.=3.6mm, L=1m |



LC STYLE

ORDERING INFORMATION

| Part No. | Description |
|-------------------------|---|
| HC-OPC-LC/LC-S-20-001 | LC Patch Cord, OS1 Cable, O.D.=2.0mm, L=1m |
| HC-OPC-LC/LC-L-20-001 | LC Patch Cord, OM1 Cable, O.D.=2.0mm, L=1m |
| HC-OPC-LC/LC-M-20-001 | LC Patch Cord, OM2 Cable, O.D.=2.0mm, L=1m |
| HC-OPC-LC/LC-M3-20-001 | LC Patch Cord, OM3 Cable, O.D.=2.0mm, L=1m |
| HC-OPC-DLC/LC-S-20-001 | Duplex LC Patch Cord, OS1 Cable, O.D.=2.0mm, L=1m |
| HC-OPC-DLC/LC-L-20-001 | Duplex LC Patch Cord, OM1 Cable, O.D.=2.0mm, L=1m |
| HC-OPC-DLC/LC-M-20-001 | Duplex LC Patch Cord, OM2 Cable, O.D.=2.0mm, L=1m |
| HC-OPC-DLC/LC-M3-20-001 | Duplex LC Patch Cord, OM3 Cable, O.D.=2.0mm, L=1m |



ST STYLE

ORDERING INFORMATION

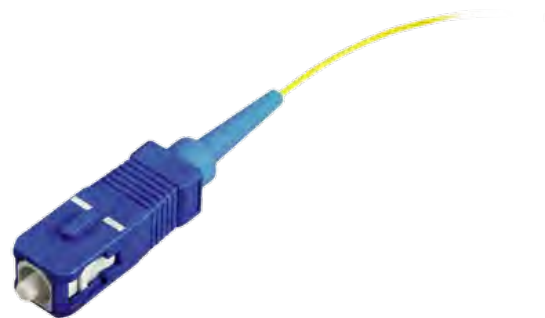
| Part No. | Description |
|---------------------|---|
| HC-OPT-ST-S-09-001 | ST Pigtail, OS1 Cable, O.D.=0.9mm, L=1m |
| HC-OPT-ST-L-09-001 | ST Pigtail, OM1 Cable, O.D.=0.9mm, L=1m |
| HC-OPT-ST-M-09-001 | ST Pigtail, OM2 Cable, O.D.=0.9mm, L=1m |
| HC-OPT-ST-M3-09-001 | ST Pigtail, OM3 Cable, O.D.=0.9mm, L=1m |



FC STYLE

ORDERING INFORMATION

| Part No. | Description |
|---------------------|---|
| HC-OPT-FC-A-09-001 | FC/APC Pigtail, OS1 Cable, O.D.=0.9mm, L=1m |
| HC-OPT-FC-S-09-001 | FC Pigtail, OS1 Cable, O.D.=0.9mm, L=1m |
| HC-OPT-FC-L-09-001 | FC Pigtail, OM1 Cable, O.D.=0.9mm, L=1m |
| HC-OPT-FC-M-09-001 | FC Pigtail, OM2 Cable, O.D.=0.9mm, L=1m |
| HC-OPT-FC-M3-09-001 | FC Pigtail, OM3 Cable, O.D.=0.9mm, L=1m |



SC STYLE

ORDERING INFORMATION

| Part No. | Description |
|---------------------|---|
| HC-OPT-SC-A-09-001 | SC/APC Pigtail, OS1 Cable, O.D.=0.9mm, L=1m |
| HC-OPT-SC-S-09-001 | SC Pigtail, OS1 Cable, O.D.=0.9mm, L=1m |
| HC-OPT-SC-L-09-001 | SC Pigtail, OM1 Cable, O.D.=0.9mm, L=1m |
| HC-OPT-SC-M-09-001 | SC Pigtail, OM2 Cable, O.D.=0.9mm, L=1m |
| HC-OPT-SC-M3-09-001 | SC Pigtail, OM3 Cable, O.D.=0.9mm, L=1m |



MT-RJ STYLE

ORDERING INFORMATION

| Part No. | Description |
|------------------|--|
| HC-OPT-MT-S-001 | MT/RJ Pigtail, OS1 Cable, O.D.=3.6mm, L=1m |
| HC-OPT-MT-L-001 | MT/RJ Pigtail, OM1 Cable, O.D.=3.6mm, L=1m |
| HC-OPT-MT-M-001 | MT/RJ Pigtail, OM2 Cable, O.D.=3.6mm, L=1m |
| HC-OPT-MT-M3-001 | MT/RJ Pigtail, OM3 Cable, O.D.=3.6mm, L=1m |



LC STYLE

ORDERING INFORMATION

| Part No. | Description |
|---------------------|---|
| HC-OPT-LC-S-09-001 | LC Pigtail, OS1 Cable, O.D.=0.9mm, L=1m |
| HC-OPT-LC-L-09-001 | LC Pigtail, OM1 Cable, O.D.=0.9mm, L=1m |
| HC-OPT-LC-M-09-001 | LC Pigtail, OM2 Cable, O.D.=0.9mm, L=1m |
| HC-OPT-LC-M3-09-001 | LC Pigtail, OM3 Cable, O.D.=0.9mm, L=1m |

SPECIFICATIONS

- Material : PC+ABS.
- Dimensions (mm): H160.0 x W110.0 x D30.0.

FEATURES

- Very compact, light-weighted design.
- Plastic housing with snap on Plate and Cover.
- Accepts SC & LC adapters.

APPLICATIONS

- Fiber In The Loop. (FITL)
- Fiber To The Home. (FTTH)
- LANs.
- Passive Optical Networks.
- Test equipments.
- CATV.



WALL PLATE

ORDERING INFORMATION

| Part No. | Description |
|------------------------|--|
| HC-OWPXX-XX-X 1 2 3 | 1. Adaptor Ports: 02, 04 |
| | 2. Adaptor Type: SC, LC |
| | 3. Sleeve Type: C: Ceramic (Zirconia) P: Phosphor Bronze |

SPECIFICATIONS

- Material: ABS.
- Dimensions (mm): H57.5 x W171.0 x D205.0.

FEATURES

- Very compact, light-weighted design.
- Plastic housing with snap on plate and cover.
- Accepts ST, SC, FC, MT-RJ & LC adapters.



SURFACE MOUNT BOX

ORDERING INFORMATION

| Part No. | Description |
|-------------|---------------------------|
| HC-3004-12R | 12-Port Optical Fiber Box |

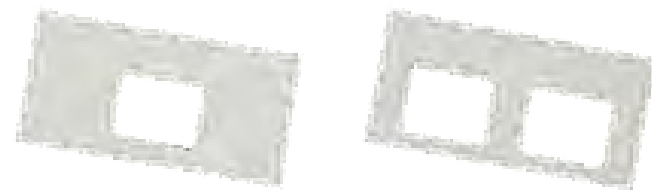
Note: The box is sold empty. Bezels must be ordered separated. (See page 25.)



SIP SERIES BEZELS

ORDERING INFORMATION

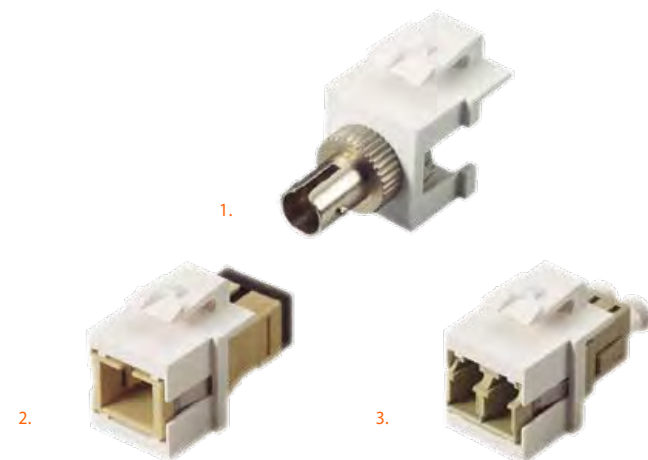
| Part No. | Description | Dimensions (mm) |
|-------------|-------------------------------------|-----------------|
| HC-SIP-1STR | 1-Port ST Bezel Assembly, PB sleeve | H25.0 x W50.0 |
| HC-SIP-2STR | 2-Port ST Bezel Assembly, PB sleeve | H25.0 x W50.0 |
| HC-SIP-2SCR | Duplex SC Bezel Assembly, PB sleeve | H25.0 x W50.0 |



SIP SERIES BEZELS

ORDERING INFORMATION

| Part No. | Description | Dimensions (mm) |
|------------|---------------------|-----------------|
| HC-SIP-1NR | 1-Port Insert Bezel | H25.0 x W50.0 |
| HC-SIP-2NR | 2-Port Insert Bezel | H25.0 x W50.0 |



INSERTS

ORDERING INFORMATION

| Part No. | Description |
|---------------------|--------------------------------|
| 1. HC-3020BS-1A/STR | Insert W/ST Adapter, PB Sleeve |
| 2. HC-3020BS-2A/SCR | Insert W/SC Adapter, PB Sleeve |
| 3. HC-3020BS-2A/LCR | Insert W/LC Adapter, PB Sleeve |

SPECIFICATIONS

PC/SPC/UPC Polishing

- Fiber Type: Single-mode silica glass (co-ion doped)
- Attenuation tolerance:

| Value (dB) | Tolerance (dB) |
|------------|----------------|
| 01~10 | ±0.5 |
| 11~15 | ±0.75 |
| 16~20 | ±1.0 |
| 21~25 | ±1.5 |

- Return loss:
 - ≥45dB for PC Polishing
 - ≥50dB for SPC Polishing
 - ≥55dB for UPC Polishing

APC Polishing

- Fiber Type: Single-mode silica glass (co-ion doped)
- Attenuation tolerance:

| Value (dB) | Tolerance (dB) |
|------------|----------------|
| 01~10 | ±1.0 |
| 11~25 | ±1.5 |

- Return loss: ≥65dB

FEATURES

- Connector style available in ST, SC and FC.
- High performance unit.
- Stable attenuation values.
- Customized to your volume requirements.
- Environmental stable.

APPLICATIONS

- Fiber in The Loop. (FITL)
- Passive Optical Networks.
- Fiber to the Home. (FTTH)
- Test equipments.
- CATV & Video Distribution.



ST STYLE

ORDERING INFORMATION

| Part No. | Description |
|----------------|--|
| HC-OAT-ST-XX-X | 1. Attenuation Value (dB): 05, 10, 15, 20, 25 |
| 1 2 | 2. Polishing Grade: P: PC, S: SPC, U: UPC |



FC STYLE

ORDERING INFORMATION

| Part No. | Description |
|----------------|---|
| HC-OAT-FC-XX-X | 1. Attenuation Value (dB): 05, 10, 15, 20, 25 |
| 1 2 | 2. Polishing Grade: P: PC, S: SPC, U: UPC, A: APC |



SC STYLE

ORDERING INFORMATION

| Part No. | Description |
|----------------|---|
| HC-OAT-SC-XX-X | 1. Attenuation Value (dB): 05, 10, 15, 20, 25 |
| 1 2 | 2. Polishing Grade: P: PC, S: SPC, U: UPC, A: APC |

"The only problem with the speed of light, is it gets here too early in the morning"

- Danny Nevrath quotes



FEATURES

- Solid and light in-weight provides for convenient installations in 19" or 23" racks.
- One cabinet design provides fiber cable and pigtail splicing, patch cord termination and storage.
- Modular adapter panel accepts FC, SC, ST, MT-RJ & LC adapters.
- Stackable modular fusion splicing tray.



HC-ORE24-FC

RACK MOUNT ENCLOSURES

ORDERING INFORMATION

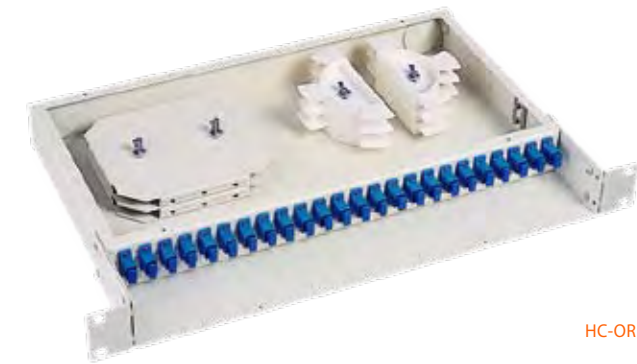
| Part No. | Description |
|---------------------------|--|
| HC-OREXX-(X)XX-X 1 2 3 | 1. Ports: 12, 24, 36, 48, 72, 96 |
| | 2. Adapter Type: FC, ST, SC, DSC, MT, DLC |
| | 3. Sleeve Type: C: Ceramic (Zirconia) P: Phosphor Bronze |

APPLICATIONS

- Telecommunication Networks.
- Premises Fiber Networks.
- LANs.
- CATV.

FEATURES

- 19" rack, mountable cabinet.
- Idea for fiber cable and pigtail fusion splicing.
- Modular adapter plates for easy installation, inspection, and testing.
- Termination and excess length of patch cord storing in one rack space.
- Routing guides for storing excess length of cables.



HC-ORP24-SC

RACK MOUNT PANELS

ORDERING INFORMATION

| Part No. | Description |
|---------------------------|--|
| HC-ORPXX-(X)XX-X 1 2 3 | 1. Ports: 06, 12, 16, 24, 36, 48 |
| | 2. Adapter Type: FC, ST, SC, DSC, MT, DLC |
| | 3. Sleeve Type: C: Ceramic (Zirconia) P: Phosphor Bronze |

APPLICATIONS

- Telecommunications Subscriber Loop.
- Fiber To The Home. (FTTH)
- LANs.
- CATV.

FEATURES

- Compact, light-weighted and low protrusion design.
- Terminating and splicing capability.
- Modular adapter plate for FC, SC, ST, MT-RJ & LC adapters.
- Ease of installation for limited environment.
- One cam lock secures doors.
- Rubber grommets sealed for cable holes.



HC-OWE08-ST



HC-OWE24-ST

WALL MOUNT ENCLOSURES

ORDERING INFORMATION

| Part No. | Description |
|--|--|
| HC-OWE XX (X) XX -X 1 2 3 | 1. Ports: 04, 06, 08, 12, 16, 24, 36, 48, 72, 96 |
| | 2. Adapter Type: FC, ST, SC, DSC, MT, DLC |
| | 3. Sleeve Type: C: Ceramic (Zirconia) P: Phosphor Bronze |

APPLICATIONS

- Telecommunication Subscriber Loop.
- Fiber To The Home. (FTTH)
- LANs.
- CATV.



HC-OAP06-ST



HC-OAP06-FC



HC-OAP06-SC

FEATURES

- Fits FC, SC, ST, MT-RJ & LC type adapters.
- Ceramic or Phosphor Bronze alignment sleeves.
- Available as preloaded with adapters already installed, unloaded, and blank (no ports).
- Aluminum sheet plate.

ADAPTER PLATES

ORDERING INFORMATION

| Part No. | Description |
|--|--|
| HC-OAP XX (X) XX -X 1 2 3 | 1. Ports: 04, 06, 08, 12 |
| | 2. Adapter Style: FC, ST, SC, DSC, MT, DLC |
| | 3. Sleeve Material: C: Ceramic (Zirconia) P: Phosphor Bronze |

WHY HCI

- Total Solution, from design, development to production at the best price and fast turn around time.
- Founded in 1975 and over 25 years experience in OEM/ODM projects.
- Leading technology in Telecommunications Structured Cabling System in Taiwan.
- Proven high product quality, certified by UL, ETL, & 3P.

OEM & ODM: Why HCI?

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