Fiber Optic Connectors & Cable Assemblies

| | HXB CONNE | CTOR SERIES | / | |
|-------------|--|--|-------------------------|--|
| EATURES | Advanced expanded beam Rugged field deployable fi Hermaphroditic interconn 1 to 16 optical channels Singlemode (SM) or Multin Optical/electric hybrid cor Custom configurations ava Environmental sealing (IP) Very high resistance to vil environmental effects, dua Easy clean, no special tool | ber optic connector ection mode (MM) nfigurations available ailable X8) pration, shock, st, and debris | | |
| A Sugar and | No adaptors necessaryCables assemblies with plut | ugs and bulkheads | - | |
| DESCRIPTION | The HXB13 Connectors, featuring expanded beam technology, hermaphroditic connections, and rugged construction for field deployment and hybrid configurability, have been designed for harsh environment applications such as military tactical communications, avionics, offshore systems, outside broadcast, mining, and plants. The expanded beam technology uses expanded and collimated beams to couple optical fibers without any contact. It could allow for optics to be used in areas that have been quite restrictive due to the presence of damage or contamination at the fiber end. The hermaphroditic connector design enables fast deployment by daisy-chaining multiple cable segments. | | | |
| | | | | |
| PPLICATIONS | Military Communications | • Broadcast | | |
| PPLICATIONS | Military Communications Avionics, Marine | BroadcastTelecommunications | | |
| PPLICATIONS | - | | | |
| PPLICATIONS | Avionics, Marine | Telecommunications | | |
| | Avionics, Marine Mining, Oil and Gas | TelecommunicationsMedical | | |
| | Avionics, Marine Mining, Oil and Gas Rail, Transport | TelecommunicationsMedical | Singlemode Multimode | |
| | Avionics, Marine Mining, Oil and Gas Rail, Transport Optical Performance | Telecommunications Medical Industrial Typical 0.8 - 1.8 dB @ 1310, 1550 nm | | |
| | Avionics, Marine Mining, Oil and Gas Rail, Transport Optical Performance Insertion Loss | Telecommunications Medical Industrial Typical 0.8 - 1.8 dB @ 1310, 1550 nm Typical 0.5 - 1.0 dB @ 850, 1300 nm > 32 dB | Multimode | |
| | Avionics, Marine Mining, Oil and Gas Rail, Transport Optical Performance Insertion Loss Return Loss | Telecommunications Medical Industrial Typical 0.8 - 1.8 dB @ 1310, 1550 nm Typical 0.5 - 1.0 dB @ 850, 1300 nm > 32 dB | Multimode | |
| | Avionics, Marine Mining, Oil and Gas Rail, Transport Optical Performance Insertion Loss Return Loss Mechanical Performance | Telecommunications Medical Industrial Typical 0.8 - 1.8 dB @ 1310, 1550 nm Typical 0.5 - 1.0 dB @ 850, 1300 nm > 32 dB Ince | Multimode | |
| PPLICATIONS | Avionics, Marine Mining, Oil and Gas Rail, Transport Optical Performance Insertion Loss Return Loss Mechanical Performa Durability | Telecommunications Medical Industrial Typical 0.8 - 1.8 dB @ 1310, 1550 nm Typical 0.5 - 1.0 dB @ 850, 1300 nm > 32 dB Ince 3,000 mating cycles | Multimode | |
| | Avionics, Marine Mining, Oil and Gas Rail, Transport Optical Performance Insertion Loss Return Loss Mechanical Performa Durability Operating Temperature | Telecommunications Medical Industrial Typical 0.8 - 1.8 dB @ 1310, 1550 nm Typical 0.5 - 1.0 dB @ 850, 1300 nm > 32 dB Ince 3,000 mating cycles -40 °C to 85 °C | Multimode | |
| | Avionics, Marine Mining, Oil and Gas Rail, Transport Optical Performance Insertion Loss Return Loss Mechanical Performa Durability Operating Temperature Storage Temperature | Telecommunications Medical Industrial Typical 0.8 - 1.8 dB @ 1310, 1550 nm Typical 0.5 - 1.0 dB @ 850, 1300 nm > 32 dB Since 3,000 mating cycles -40 °C to 85 °C -55 °C to 85 °C | Multimode | |
| | Avionics, Marine Mining, Oil and Gas Rail, Transport Optical Performance Insertion Loss Return Loss Mechanical Performa Durability Operating Temperature Storage Temperature Water Immersion | Telecommunications Medical Industrial Typical 0.8 - 1.8 dB @ 1310, 1550 nm Typical 0.5 - 1.0 dB @ 850, 1300 nm > 32 dB Ance 3,000 mating cycles -40 °C to 85 °C -55 °C to 85 °C Up to 15 m | Multimode | |



X-BEAM TECH

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HOW TO ORDER

X-BEAM TECH

HXB CONNECTOR SERIES

HOW TO ORDER

For more information on how to order or to obtain a price quote on our HXB Connectors, please call us at +82-2-864-7280 or email sales@xbeamtech.co.kr.

ORDER INFORMATION Order Example)

| Connector only Cable assembly | HXB 13 - PSD - B - O4 - M1 - D55 _(CO3) HXB 13AS - RJS - B - O4 - M1 - S2O - LC - O2O/30 D | | | |
|----------------------------------|---|--|--------------------------------|--|
| | 1 2 | 3 4 5 6 7 8 | | |
| 1 Shell Size | 11 13 15 | Shell Size 11, Mini Size Shell Size 13, Junior Size Shell Size 15, Senior Size | | |
| 2 Connector A | PSD RJS RJL RQS RQL CXX | Plug with Dust Cap Receptacle, Jam Nut, Standard, Dust Cap Receptacle, Jam Nut, Low Profile, Dust Cap Receptacle, Square Flange, Standard, Dust Cap Receptacle, Square Flange, Low Profile, Dust Cap Customized Connector | | |
| 3 Shell Material & Finish | B X | Aluminum Alloy, Black Hard Anodized Others | | |
| 4 Arrangement | 01, 02, 04 02, 04 12 | 1 / 2 / 4 CH OPTICAL 2 / 4 CH OPTICAL 2 CH OPTICAL, 2 CH AWG20 | Shell Size 11 Shell Size 13 | |
| | 02, 04, 06, 08, OA H2 I2, I4 J2, J4 K2, K4 | 2 / 4 / 6 / 8 / 10 CH OPTICAL 2 CH OPTICAL, 2 CH AWG20, 2 CH AWG16 2 / 4 CH OPTICAL, 2 CH AWG20 2 / 4 CH OPTICAL, 2 CH AWG16 2 / 4 CH OPTICAL, 4 CH AWG20 | Shell Size 15 | |
| 5 Fiber Type | S1 M1 M2 M3 | SM - 9 μm core Single-mode Fiber OM1 - 62.5 μm core Multimode Fiber OM2 - 50 μm core Multimode Fiber OM3 - 50 μm core Multimode Fiber | | |
| 6 Cable Option | S09 S20 D55 DXX | ø 0.9 mm Buffered Fiber – RJL, RQL ø 2.0 mm Jacketed Cable – RJS, RQS ø 5.5 mm Outdoor Cable – PSD, RJS, RQS Others | | |
| 7 Connector B | SA SC LC ST CX | Same as Connector A SC Connector LC Connector ST Connector Customized Connector | | |
| 8 Cable Length | L1/L2 100 020/30B 020/30D | Total Length (m)/ Distribution Length (cm) Total 100m Total 20m / Distribution 30cm Breakout Cable Total 20m / Distribution 30cm Distribution Cable | | |
| | | For custom requirements, please consult us. | | |



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Note. Other configurations, materials and finishes available upon request

Fiber Optic Connectivity Solutions