

FIBRE OPTIC CONNECTOR SERIES

SNR15 CONNECTOR

The SNR15 connectors, featuring expanded beam technology, hermaphroditic connections, and rugged construction for field deployment have been designed for harsh environment applications such as military tactical communications, avionics, offshore systems, outside broadcast, mining and plant.

The expanded beam technology uses expanded and collimated beams to couple optical fibres 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 fibre end.

The hermaphroditic connector design enables fast deployment by daisy-chaining multiple cable segments. SNR15 connectors also enable the transfer of electrical signals or power using a hybrid insert configuration.



FEATURES

- Advanced expanded beam technology
- Rugged field deployable fibre optic connector
- Hermaphroditic interconnection
- 2,4,6,8,and 10 optical channels
- Singlemode (SM) or Multimode (MM)
- Optical/electric hybrid configurations available
- Custom configurations available
- Environmental sealing (IPX8)
- Very high resistance to vibration, shock, environmental effects, dust, and debris
- Easy clean, no special tools
- No adaptors necessary
- Cables assemblies with plugs and bulkheads

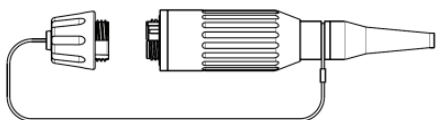
APPLICATIONS

- Military Communications
- Avionics, Marine
- Mining, Oil and Gas
- Rail, Transport
- Broadcast
- Telecommunications
- Medical
- Industrial

FIBRE OPTIC CONNECTOR SERIES

Ordering Information

Connector only:



Connector A

- PSD : Plug with dust cap
- RJS : Receptacle, jam nut, standard, dust cap
- RJL : Receptacle, jam nut, low profile, dust cap
- RQS : Receptacle, square flange, standard, dust cap
- RQL : Receptacle, square flange, low profile, dust cap
- CXX : Customised connector

Channel count

- O2, O4, O6, O8, OA : 2 / 4 / 6 / 8 / 10 CH OPTICAL
- H2 : 2 CH OPTICAL, 2 CH AWG20, 2 CH AWG16
- I2, I4 : 2 / 4 CH OPTICAL, 2 CH AWG20
- J2, J4 : 2 / 4 CH OPTICAL, 2 CH AWG16
- K2, K4 : 2 / 4 CH OPTICAL, 4 CH AWG20

SNR15-PSD-B-O4-M1-D55_(C03)

Material & finish

- B : Aluminum alloy, black hard anodized
- X : Others

Fibre type

- S1 : SM – 9 µm core Singlemode fibre
- M1 : OM1 – 62.5 µm core Multimode fibre
- M2 : OM2 – 50 µm core Multimode fibre
- M3 : OM3 – 50 µm core Multimode fibre

Cable diameter

- S09 : ø 0.9 mm buffered fibre
– RJL, RQL
- S20 : ø 2.0 mm jacketed cable
– RJS, RQS
- D55 : ø 5.5 mm outdoor cable
– PSD, RJS, RQS
- DXX : Others

Note. Other configurations, materials and finishes available upon request



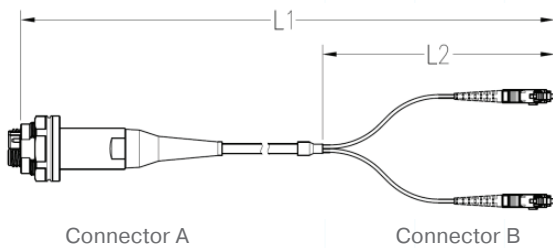
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Ordering Information

Cable assembly:



Connector A

- PSD : Plug with dust cap
- RJS : Receptacle, jam nut, standard, dust cap
- RJL : Receptacle, jam nut, low profile, dust cap
- RQS : Receptacle, square flange, standard, dust cap
- RQL : Receptacle, square flange, low profile, dust cap
- CXX : Customised connector

Channel count

- O2, O4, O6, O8, O4 : 2 / 4 / 6 / 8 / 10 CH OPTICAL
- H2 : 2 CH OPTICAL, 2 CH AWG20, 2 CH AWG16
- I2, I4 : 2 / 4 CH OPTICAL, 2 CH AWG20
- J2, J4 : 2 / 4 CH OPTICAL, 2 CH AWG16
- K2, K4 : 2 / 4 CH OPTICAL, 4 CH AWG20

Cable length

- L1/L2 : Total length (m)/distribution length (cm)
- eg. 100 : Total 100 m
- 020/30B : Total 20 m/distribution 30 cm breakout cable
- 020/30D : Total 20 m/distribution 30 cm distribution cable

SNR15AS-RJS-B-O4-M1-S20-LC-020/30D_(C03)

Material & finish

- B : Aluminum alloy, black hard anodized
- X : Others

Fibre type

- S1 : SM – 9 µm core Singlemode fibre
- M1 : OM1 – 62.5 µm core Multimode fibre
- M2 : OM2 – 50 µm core Multimode fibre
- M3 : OM3 – 50 µm core Multimode fibre

Connector B

- SA : Same as connector A
- SC : SC connector
- LC : LC connector
- ST : ST connector
- CX : Customised connector

Cable diameter

- S09 : ø 0.9 mm buffered fibre – RJL, RQL
- S20 : ø 2.0 mm jacketed cable – RJS, RQS
- D55 : ø 5.5 mm outdoor cable – PSD, RJS, RQS
- DXX : Others

Note. Other configurations, materials and finishes available upon request



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