

Quick-connect



Rugged



Waterproof



Compact



BDC & BQC series

A range of single and multimode fibre optic bayonet coupling connectors from Amphenol UK

The Bayonet Duplex Connector (BDC) and the Bayonet Quad Connector (BQC) series offers the Pattern 105, Size 10 and Size 12 series, proven connector construction, featuring the tri-mating bayonet locking mechanism for ease and quick mate/de-mate.

The bayonet connector series is designed for singlemode or multimode duplex cable using a tight jacket or tactical construction.

Designed for harsh environments, the bayonet connector series offers a cost effective product. The shell material ranges from aluminium alloy to marine bronze for military, industrial, telecomms and offshore applications.

Using overmould technology and 2.5mm diameter zirconia PC ceramic ferrules and alignment sleeves, makes this a rugged, cost effective, tamperproof connection system with optimum optical and mechanical performance.



Amphenol[®]



Features

Bayonet coupling

Diameter 2.5mm PC ceramic ferrule

RoHS compliant

Optical channel configurations

Sealed to IP68

Multiple keying options

Multimode and singlemode compatible

Low profile options

Durability

Lightweight

MIL-C-26482 footprint

Overmould technology

Available as pre-terminated assemblies

Repeatability

Benefits

Quick connection

Low insertion loss of typically $-0.25\text{dB}@1300\text{nm}$

Meets industry requirements to restrict the use of hazardous substances (material and finish dependent)

BDC offers 2x optical channels
BQC offers 4x optical channels

A high degree of sealing to protect against dust and water ingress in the mated condition
Reduces ferrule/fibre cleaning

Seven keying options to prevent mis-mating
Increases system security

Suitable for use with industry accepted cables

The jam nut receptacle and the 90 degree plug provide minimal protrusion internally and externally

>500 matings

One piece design

Mechanical aspects as per #10 and #12 connector

No backshell required providing rugged sealed assembly

No customer termination required
Reduced system downtime

Optically stable connection