# DIN Patchcord

## Description:

The one piece DIN connectors feature a single unit body with spring-loaded free-floating zirconia ceramic ferrule. This unique connector offers superior performance in a compact, DIN 47256 compatible design suitable for a variety of applications. The DIN connectors are manufactured with a precision screw machined brass for consistent performance and durability.

The DIN connectors are available in either single or multimode and are fully intermateable with DIN 47256 type products. Both the singlemode and the multimode connectors use a zirconia ceramic ferrule featuring a pre-polished "PC" profile with an enhanced convex spherical end. This allows fast polishing of the fiber and enables the installer to achieve low optical loss with high performance physical contact and ensuring maximum repeatability.



## Features:

- Anti-rotation key
- Adjustable in 60° steps
- Spring loaded zirconia ceramic ferrule
- Special ferrule preform for short polishing time
- Axially suspended

## Application:

- Telecom
- MAN, CATV, sensor systems
- Measuring techniques
- Utilities, railways

## Specifications:

| | |
|---|---|
| Insertion loss singlemode (9/125) | 0.25 dB (typ.) |
| Return loss APC | > 60 dB |
| Insertion loss multimode (G50, G62.5/125) | 0.20 dB (typ.) |
| Strain relief | crimped, 100 N (conditioned by type of cable) |
| Operating temperature | -40° to +85°C (conditioned by type of cable) |
| Durability | min. 1000 cycles |
| Assembly procedure | glue and polish |
| Connection | physical contact of ferrules |
| Lock mechanism | screw thread |
| Standards | according to CECC 86135-801/-802 |

## Ordering code:

AAA - XX XXX - XX - (XX)[1] - XXX

| XX-color | XXX- length [m] |

| AAA | |
| --- | --- |
| **Connector Type** | **Connector Description** |
| **DIN** | DIN/PC  (MM) |
| **UDIN** | DIN/UPC |
| **NDIN** | DIN/APC |

**X - type (pigtail or jumper)**
**J**   jumper
**PT**  pigtail tight buffered, strip in one shot 0.5 – 2 cm
**PS**  pigtail semitight, strip in one shot 5 – 10 cm
**PJ**  pigtail loose tube - jelly filled
**PD**  pigtail loose tube - dry

Note:
1)   not filled when color is not defined
2)   X – according fiber subtypes (e.g. G.655C)

| **XX - diameter of cable, fiber** | | **XXX - type of fiber** | |
| --- | --- | --- | --- |
| **09** | fiber Ø 0.9 mm | **OM1** | MM 62.5/125 µm |
| **17** | cable Ø 1.7 mm | **OM2** | MM 50/125 µm |
| **20** | cable Ø 2.0 mm | **OM3** | MM 50/125 µm |
| **24** | cable Ø 2.4 mm | **S2D** | SM 9/125 µm (G.652D) |
| **28** | cable Ø 2.8 mm | **S5X**[2] | SM 9/125 µm (G.655X) |
| **RF** | ribbon fiber | **S7X**[2] | SM 9/125 µm (G.657X) |
| **RC** | ribbon cable | **DS** | dispersion shifted |
| | | **TW** | TrueWave |
| | | **RS** | TrueWave - RS |
| | | **TL** | TeraLight |
| | | **LE** | Leaf |

**Color Code:**

| BK | BN | RD | OG | YE | GN | BU | VT | GY | WH | PK | TQ |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Black | Brown | Red | Orange | Yellow | Green | Blue | Violet | Grey | White | Pink | Turquoise |

## Dimensions:

PC

$\varnothing$ 7.1   $\varnothing$ 2.5   10   7   $\varnothing$ 4
30.8

APC

$\varnothing$ 7.1   $\varnothing$ 2.5   $\varnothing$ 0.5   10   7   $\varnothing$ 4
30.8
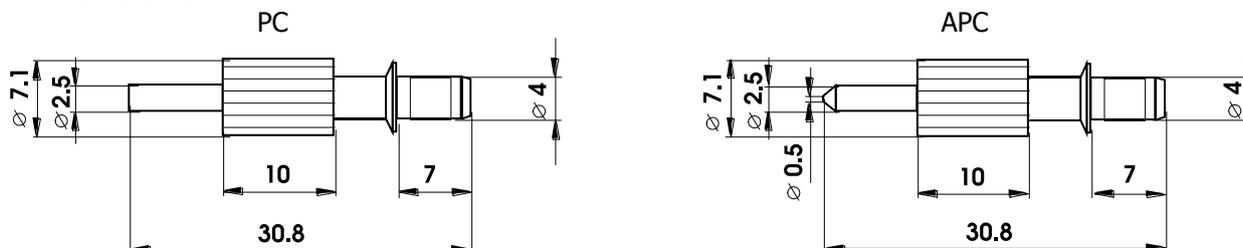
## Sample of patchcord:

NDIN-28 S2D-J-003