



STRUCTURED CABLING SOLUTION

OPTICAL FIBER COMPONENTS - SIMPLEX & DUPLEX PATCH CORDS



ADH offers standard simplex & duplex patch cords in a variety of connectors & cables configurations. ADH Patch cords are available with full standard optical specifications, precise length tolerances. All assemblies are 100% inspected for optical characteristics and fiber end face finish. The optical fiber patch cords are suitable for data communication, telecommunication applications. The terminated connectors in assemblies are designed to and are compatible with industry standards. ADH can deliver customized patch cords as per requirement.

FEATURES

- Adopts high precision ceramic ferrule with good concentricity.
- Good geometry characteristics of apex offset & radius of curvature & fiber height.
- Compact & strong crimping offers exceptional tensile strength in cable assemblies.
- 100% inspected for optical characteristics & fiber end face finish.
- Low insertion loss & return loss, clean and scratch-free end faces.
- Good performance endurance under circumstances changing.

SPECIFICATIONS			
Connector Type		SC/ST/FC/LC/MTRJ	
Cable Type		PVC	
		0.9mm/2.0mm/3.0mm Simplex & Duplex	
Cable Color, Length		Yellow for single mode, orange for multi-mode & aqua for OM3 1m, 2m and 3m. Other lengths on request.	
Optical Specification	Insertion Loss	Typical: $\leq 0.2\text{dB}$, Max. 0.3dB (MTRJ: Max. 0.5dB)	Typical: $\leq 0.2\text{dB}$, Max. 0.3dB (MTRJ: Max. 0.5dB)
	Return Loss	PC $\geq 45\text{dB}$, UPC $\geq 50\text{dB}$, APC $\geq 60\text{dB}$	$\geq 30\text{dB}$
Mechanical Specification	Ferrule	Ceramic, (MTRJ: PS-Polyphenylene Sulphide)	
	Apex Offset	$< 50\mu\text{m}$	
	Fiber Height	$\pm 100\text{nm}$	
	Radius of Curvature	7mm R $< 25\text{mm}$ (Excluding MTRJ)	
	Repeatability	$\leq 0.2\text{dB}$ 1,000 times mating cycles	
Working Temperature		$-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$	
Storage Temperature		$-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$	



Part number Information:

ADHPC-XXYY-SMDX-ZM	ADHPC-XXYY-MMDX-ZM
PC Stands- Patch Cord	PC Stands- Patch Cord
XX- Stands for Connector (SC/LC/ST/FC)	XX- Stands for Connector (SC/LC/ST/FC)
YY- Stands for Connector (SC/LC/ST/FC)	YY- Stands for Connector (SC/LC/ST/FC)
SM- Stands Single Mode	MM- Stands Multi Mode
Dx- Duplex type	Dx- Duplex type
ZM Stands for Length of Patch cord in Meter	ZM Stands for Length of Patch cord in Meter

ADHPC-XXYY-SMSX-ZM	ADHPC-XXYY-MMSX-ZM
PC Stands- Patch Cord	PC Stands- Patch Cord
XX- Stands for Connector (SC/LC/ST/FC)	XX- Stands for Connector (SC/LC/ST/FC)
YY- Stands for Connector (SC/LC/ST/FC)	YY- Stands for Connector (SC/LC/ST/FC)
SM- Stands Single Mode	MM- Stands Multi Mode
Sx- Simplex type	Sx- Simplex type
ZM Stands for Length of Patch cord in Meter	ZM Stands for Length of Patch cord in Meter