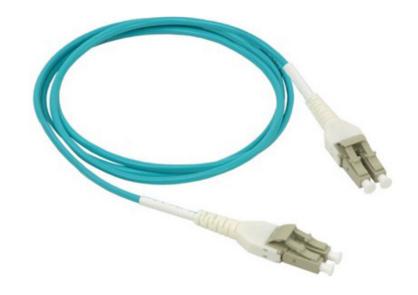
## CODECOM

# **PATCHCORDS**



Codecom Patchcord range is suitable for telecommunication networks, data processing networks, FTTX, FTTH and some critical applications.

The patchcords provide flexible interconnection to active equipment, passive optical devices and cross-connects.

We offers diverse range of single fibre ferrule connectors which are manufactured with precision factory mounting and polishing techniques to assure high transmission quality.

#### **Features**

- Conform to IEC, EIA-TIA, and Telcordia performance requirements
- All Assemblies are machine polished providing highest quality
- All Assemblies are factory tested and come with test certificate
- Available in custom length
- RoHS, REACH & SvHC compliant, Materials Conflict compliant

#### **Application**

- Telecommunication networks
- Data centers
- FTTX
- Broadband network.
- Fibre-to-the-home



## **CONNECTOR SPECIFICATION**

Parameters	Units	Parameters	Units	PC	APC
Insertion Loss - Standard	dB ≤ 0.3	ROC -2.5mm	mm	5-30	5-12
Return Loss SM (PC/APC)	dB ≥ 50/60	ROC -1.25mm	mm	5-30	5-12
Insertion Loss - Premium	dB ≤ 0.15	Apex offset	μm	0-70	0-70
Return Loss (PC/APC)	dB ≥ 55/65	Fibre height	nm	-100 - a	-100 - a
		APC angle	degree	-	7.7-8.3

## **ASSEMBLY PERFORMANCE**

Mechanical Properties	Criteria	Effect	Standard	
Mechanical Endurance	500 mating	<0.2 dB change	IEC 61300-2-2	
Vibration	10-55 Hz, 0.75 amplitude	<0.2 dB change	IEC 61300-2-1	
Drop	Drop height 1m, 5 drops	<0.2 dB change	IEC 61300-2-12	
Cable Retention	Magnitude 90 N	<0.2 dB change	IEC 61300-2-4	
Cable Torsion	1.5kg-2.5 kg for 2mm-3mm cable diameter	<0.2 dB change	IEC 61300-2-5	

## **CABLE CHARATERISTICS**

Cable Characteristics	Units	Simplex	Duplex
Cable Material		LSZH PVC	LSZH or PVC
Strength Member		Aramid	Aramid
Crush	N	1000	1000
Operating Temperature	°C	-20 to 70	-20 to 70
Secondary Buffer Diameter (2&3mm)	μm	900±50	900±50
Minimum Bending Radius	mm	10D (installed) 20D (loaded)	10D (installed) 20D (loaded)