

**CODECOM**

# LC QUICK RELEASE POLARITY REVERSIBLE

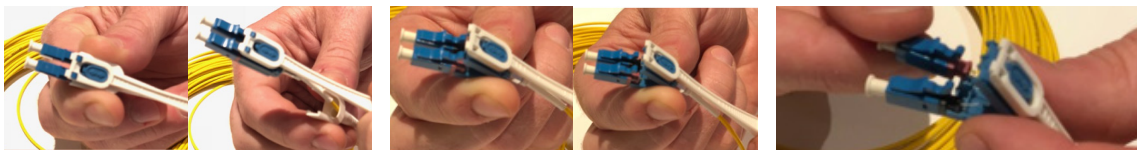


Codecom LC Quick Release Polarity Reversible assembly is suitable for high density telecommunication networks, data processing networks, FTTX, FTTH and some critical applications.

This easy to use patch cord/jumper enable quick and easy flipping of polarity in field.

The patchcords provide quick patching solution with the unique tab which is easy to push and pull the connector into the adaptor in high density applications. With the added function of polarity reversibility the enables for easy changing of polarity in the field with minimal risk. This is also 100% SFP compatible.

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



**STEP 1**

Pull back the white boot

**STEP 2**

Gently open the housing. Be very careful here not to bend fibres.

**STEP 3**

Carefully swap the connectors:



**STEP 4**

Place both connectors into required slots:

**STEP 5**

Close Housing

**STEP 6**

Place the boot back over the connector making sure to clip into place.

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## SM CONNECTOR SPECIFICATION

Parameters	Units	Parameters	Units	PC	APC
Insertion loss – Standard	dB < 0.3	ROC -2.5mm	mm	5-30	5-12
Return loss (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

## MM CONNECTOR SPECIFICATION

Parameters	Units	Parameters	Units	PC	APC
Insertion loss – Standard	dB < 0.3	ROC -2.5mm	mm	5-30	5-12
Return loss (PC/APC)	dB > 28	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 > 28	Fibre height	nm	-100 - a	-100 - a

## 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 CHARACTERISTICS

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 (2mm and 3mm)	µm	250+50	250+50
Minimum Bending Radius	mm	10D (installed) 20D (loaded)	10D (installed) 20D (loaded)

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