

Classix Patchcord

Optronics Classix's range of patchcords is suitable for value telecom and general datacom applications. The patchcords and pigtails provide flexible interconnection to active equipment, passive optical devices and cross-connects. Classix refers to the assembly and not the connector.

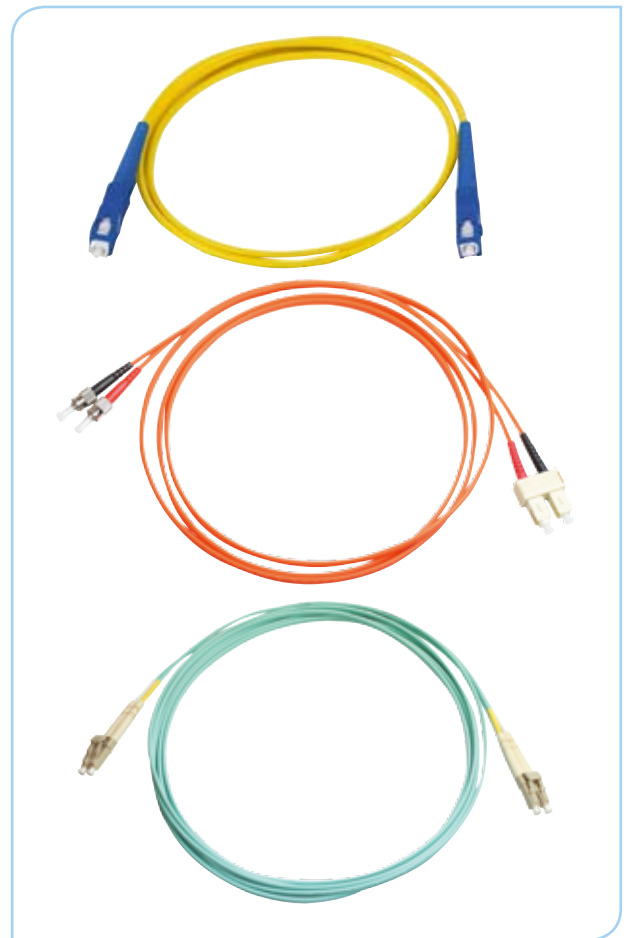
The patchcords are terminated with Classix range physical contact (singlemode & multimode) and angled physical contact (singlemode) zirconia ferrule connectors are manufactured with precision factory mounting and polishing techniques which helps assure high transmission quality.

Features / Benefits

- > Conform to IEC, EIA-TIA, and Telecordia performance requirements
- > Available in fibre types OS1, OS2, OM1, OM2 and OM3
- > Available with connector types SC, LC, ST and FC
- > Available in standard and custom lengths
- > RoHS, REACH & SvHC compliant
- > Supplied in packs of ten

Applications

- > Telecommunication Networks
- > CATV
- > LAN and WAN
- > FTTx
- > Broadband network



Connector Specification

Mechanical Properties	Criteria	Conformance
Mechanical endurance	500 matings	IEC 61300-2-2
Vibration	10-55 Hz, 0.75 amplitude	IEC 61300-2-1
Drop	Drop height 1m, 5 drops	IEC 61300-2-12
Cable retention	Magnitude 90 N	IEC 61300-2-4
Cable torsion	1.5kg-2.5 kg for 2mm-3mm cable diameter	IEC 61300-2-5

* The change in attenuation for all the above listed criteria shall be a maximum of 0.20dB

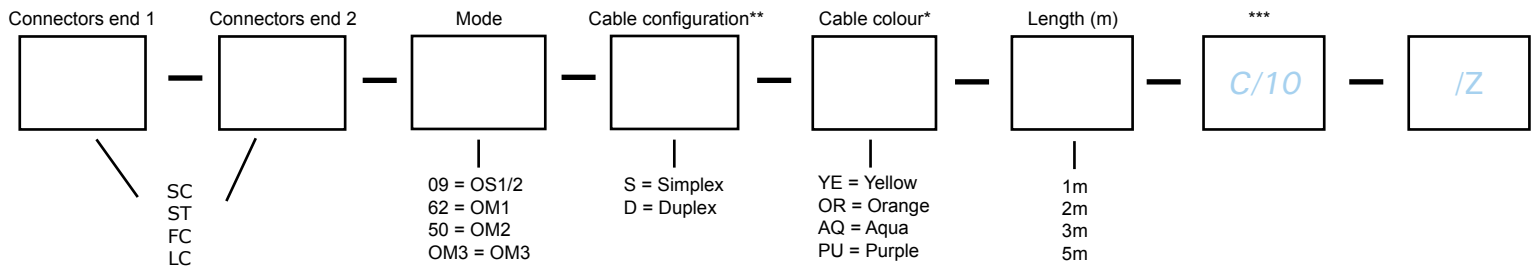
Optical Performance	Singlemode	Multimode	Conformance
IL Max/Master (Acceptance)	0.30 dB	0.30 dB	IEC 61300-3-4
Max IL/Random	0.75 dB	0.75 dB	IEC 61300-3-34
Ave/Master*	0.22 dB	0.25 dB	IEC 61300-3-4
Ave/Random*	0.30 dB	0.25 dB	IEC 61300-3-34
Return Loss	50dB	-	IEC 61300-3-6

Connector Type	Conformance	SM	SM Duplex	MM Duplex
SC connector	IEC 61754-4	SM PC- Blue	SM PC- Blue with clips	MM PC- Beige with clips Boot -Red & Black
LC connector	IEC 61754-20	SM PC- Blue	SM PC- Blue with clips	SM PC- Blue
ST connector	IEC 61754-2	SM PC- Yellow boot	SM PC- Yellow boot	MM PC- Red & Black boot
FC connector	IEC 61754-13	SM PC- Blue boot	SM PC- Blue boot	MM PC- Black boot

Cable Specification

Characteristics	Units	Simplex	Duplex
Cable Material		LSZH or PVC	LSZH or PVC
Strength Member		Aramid	Aramid
Crush	N	1000	1000
Operating Temperature	°C	-20 to 60	-20 to 60
Secondary Buffer Diameter (3mm)	µm	900+/-50	900+/-50
Secondary Buffer Diameter (1.8mm)	µm	600+/-50	600+/-50
Minimum Bending Radius	mm	10D (installed) 20D (loaded)	10D (installed) 20D (loaded)

Part Number Generator



*: Ye = OS1/2, OR = OM1/OM2, AQ/PU = OM3/OM4

** : Simplex option is for SM only, Duplex option is available for both SM and MM.

***: Please note C/10 indicates the packaging quantity of 10 units.