

Fibre Patch cord OM1/OM2/OM3



Multimode Patch cord Simplex/Duplex

Multimode patch cords are used to connect high speed and legacy networks like gigabit ethernet, fast ethernet and ethernet. The multimode patch cords are manufactured using LSZH cables which conform to IEC, EIA TIA or Telcordia standards. The OM1 patch cords are terminated with standard connectors which give optimum optical performance.

Features

- FC, LC, MTRJ, MU, SC and ST connectors
- Low smoke zero halogen (LSZH) jacket in orange colour
- 900µm or 600µm tight buffer
- OM1 fibre conforms to TIA/EIA 492AAAA, IEC60793-2-10 A1b.
- OM2 fibre conforms to ITU-T G.651.1, TIA/EIA 492AAAB, IEC60793-2-10 A1a.1a
- OM3 fibre conforms to ITU-T G.651.1, TIA/EIA 492AAAC, IEC60793-2-10 A1a.2a
- Simplex and duplex assemblies
- Duplex assemblies available with clips (SC and LC)
- Different connector performance range for specific application available
- Armoured option also available
- REACH, RoHS & SvHC materials compliant



Applications

OM1

- Gigabit Ethernet in high speed LAN networks over an indicative 275m link length at 850 nm (SX) wavelength
- Legacy networks including Ethernet, Fast Ethernet and FDDI
- Data centers
- Premises cabling in data networks including backbone, riser and horizontal
- Supports video, data and voice services

OM2

- For use in 1 Gb/s high speed LAN networks over a 550 m indicative link length at 850 nm wavelength using a laser launch
- High speed and legacy networks including Gigabit Ethernet, Fast Ethernet and Ethernet
- Data centers
- Premises cabling in data networks including backbone, riser and horizontal
- Supports video, data and voice services

OM3

- For use in 10Gb/s high speed LAN networks over a 300m indicative link length at 850nm (SX) wavelength using a laser launch
- For use in 1Gb/s high speed LAN networks over a 1000m indicative link length at 850nm (SX) wavelength using a laser launch
- High speed and legacy networks including Gigabit Ethernet, Fast Ethernet and Ethernet
- Data centers
- Premises cabling in data networks including backbone, riser and horizontal
- Supports video, data and voice services

Specifications

Connector Specifications

OPTICAL PERFORMANCE	MULTIMODE	CONFORMANCE
IL Max/Master (Acceptance)	0.25dB	IEC 61300-3-4
Ave/Master	0.15dB	IEC 61300-3-4
Ave/Random	0.20dB	IEC 61300-3-34

Note: Return Loss >28dB based on sample data using method IEC 61300-3-6



Cable Specifications

CHARACTERISTICS	SIMPLEX	DUPLEX
Cable Material	LSZH	LSZH
Strength Member	Aramid	Aramid
Crush	1000	1000
Operating Temperature	-20 to 60	-20 to 60
Fire Specification	IEC 60332-1	IEC 60332-1

Fibre Specifications

OM1 CHARACTERISTICS

Attenuation (dB/km)	3,0 @ 850nm / 0,8 @ 1300nm
Bandwidth OFL (MHz x km)	200 @ 850nm / 500 @ 1300nm

OM2 CHARACTERISTICS

Attenuation (dB/km)	2,8 @ 850nm / 0,8 @ 1300nm
Bandwidth OFL (MHz x km)	500 @ 850nm / 500 @ 1300nm

OM3 CHARACTERISTICS

Attenuation (dB/km)	2,8 @ 850nm / 0,8 @ 1310nm
Bandwidth OFL (MHz x km)	1500 @ 850nm / 500 @ 1310nm
Bandwidth LEMB (MHz x km)	2000@ 850nm

Ordering Information

El Nr.	Part Name
CB00261	Patchesnor LC-LC DX OM1 1m
CB00262	Patchesnor LC-LC DX OM1 2m
CB00263	Patchesnor LC-LC DX OM1 3m
CB00265	Patchesnor LC-LC DX OM1 5m
CB00221	Patchesnor LC-LC DX OM2 1m
CB00222	Patchesnor LC-LC DX OM2 2m
CB00223	Patchesnor LC-LC DX OM2 3m
CB00225	Patchesnor LC-LC DX OM2 5m
CB00241	Patchesnor LC-LC DX OM3 1m



CB00242	Patchesnor LC-LC DX OM3 2m
CB00243	Patchesnor LC-LC DX OM3 3m
CB00245	Patchesnor LC-LC DX OM3 5m
CC00261	Patchesnor SC-SC DX OM1 1m
CC00262	Patchesnor SC-SC DX OM1 2m
CC00263	Patchesnor SC-SC DX OM1 3m
CC00265	Patchesnor SC-SC DX OM1 5m
CC00221	Patchesnor SC-SC DX OM2 1m
CC00222	Patchesnor SC-SC DX OM2 2m
CC00223	Patchesnor SC-SC DX OM2 3m
CC00225	Patchesnor SC-SC DX OM2 5m
CC00241	Patchesnor SC-SC DX OM3 1m
CC00242	Patchesnor SC-SC DX OM3 2m
CC00243	Patchesnor SC-SC DX OM3 3m
CC00245	Patchesnor SC-SC DX OM3 5m
CD00261	Patchesnor ST-ST DX OM1 1m
CD00262	Patchesnor ST-ST DX OM1 2m
CD00263	Patchesnor ST-ST DX OM1 3m
CD00265	Patchesnor ST-ST DX OM1 5m
CD00221	Patchesnor ST-ST DX OM2 1m
CD00222	Patchesnor ST-ST DX OM2 2m
CD00223	Patchesnor ST-ST DX OM2 3m
CD00224	Patchesnor ST-ST DX OM2 5m
CD00241	Patchesnor ST-ST DX OM3 1m
CD00242	Patchesnor ST-ST DX OM3 2m
CD00243	Patchesnor ST-ST DX OM3 3m
CD00244	Patchesnor ST-ST DX OM3 5m
CF00261	Patchesnor LC-SC DX OM1 1m
CF00262	Patchesnor LC-SC DX OM1 2m
CF00263	Patchesnor LC-SC DX OM1 3m
CF00264	Patchesnor LC-SC DX OM1 5m
CF00220	Patchesnor LC-SC DX OM2 1m
CF00221	Patchesnor LC-SC DX OM2 2m
CF00222	Patchesnor LC-SC DX OM2 3m
CF00223	Patchesnor LC-SC DX OM2 4m
CF00230	Patchesnor LC-SC DX OM3 1m
CF00231	Patchesnor LC-SC DX OM3 2m



CF00232	Patchesnor LC-SC DX OM3 3m
CF00233	Patchesnor LC-SC DX OM3 4m
CA00241	Patchesnor LC-ST DX OM1 1m
CA00242	Patchesnor LC-ST DX OM1 2m
CA00243	Patchesnor LC-ST DX OM1 3m
CA00245	Patchesnor LC-ST DX OM1 5m
CA00201	Patchesnor LC-ST DX OM2 1m
CA00202	Patchesnor LC-ST DX OM2 2m
CA00203	Patchesnor LC-ST DX OM2 3m
CA00205	Patchesnor LC-ST DX OM2 5m
CA00231	Patchesnor LC-ST DX OM3 1m
CA00232	Patchesnor LC-ST DX OM3 2m
CA00233	Patchesnor LC-ST DX OM3 3m
CE00261	Patchesnor SC-ST DX OM1 1m
CE00262	Patchesnor SC-ST DX OM1 2m
CE00263	Patchesnor SC-ST DX OM1 3m
CE00265	Patchesnor SC-ST DX OM1 5m
CE00221	Patchesnor SC-ST DX OM2 1m
CE00222	Patchesnor SC-ST DX OM2 2m
CE00223	Patchesnor SC-ST DX OM2 3m
CE00225	Patchesnor SC-ST DX OM2 5m