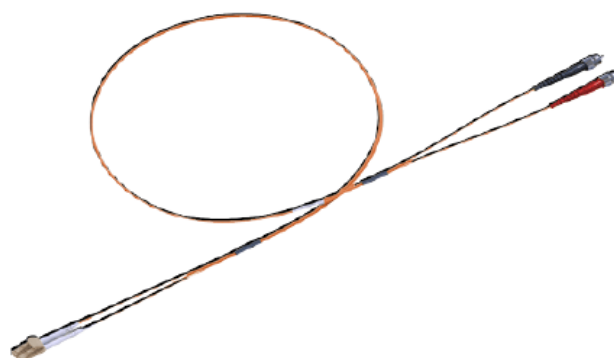


Product Data Sheet

OM2 Simplex/Duplex Patch Cord

Overview

Multimode patch cords are used to connect high speed and legacy networks like Gigabit Ethernet, Fast Ethernet and Ethernet. Multimode patch cords can be manufactured using PVC, OFNR, OFNP or LSZH and conform to Telcordia, EIA TIA or IEC standards. OM2 patch cords are terminated with standard connectors giving optimum optical performance.



Features

- SC, LC, ST, FC, E2000 and MTRJ connectors
- PVC, OFNR, OFNP and LSZH jacket options
- 900µm tight buffer internal construction
- OM2 fibre conforms to ITU-T G.651.1, TIA/EIA 492AAAB, IEC60793-2-10
- Simplex and duplex assembly options
- SC and LC duplex assemblies available with clips
- Higher optical performance available on request
- Armoured option also available

Applications

- 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

Specification

Connector Specification

Optical Performance	Multimode	Conformance
IL Max/Master (Acceptance)	0.30dB	IEC 61300-3-4
Ave/Master	0.15dB	IEC 61300-3-4
*MTRJ – 0.4 dB		

Cable Specification

Characteristics	Simplex	Duplex
Cable Material	PVC, OFNR, OFNP or LSZH	PVC, OFNR, OFNP or LSZH
Strength Member	Aramid	Aramid
Crush (N)	1000	1000
Operating Temperature (°C)	-20 to 60	-20 to 60
Fire Specification	IEC 60332-1	IEC 60332-1

Fiber Specification

Characteristics	
Attenuation (dB) / km	2.8 @ 850nm / 0.8 @ 1300nm
Bandwidth OFL (MHz x km)	500 @ 850nm / 500 @ 1300nm

OM2 Simplex/Duplex Patch Cord

Item	Code
OM2 Simplex/Duplex Patch Cord	
LC-LC Duplex	
1m	EFE050-001M
2m	EFE050-002M
3m	EFE050-003M
5m	EFE050-005M
10m	EFE050-010M
15m	EFE050-015M
20m	EFE050-020M
LC-SC Duplex	
1m	EFE051-001M
2m	EFE051-002M
3m	EFE051-003M
5m	EFE051-005M
10m	EFE051-010M
15m	EFE051-015M
20m	EFE051-020M
LC-ST Duplex	
1m	EFE052-001M
2m	EFE052-002M
3m	EFE052-003M
5m	EFE052-005M
10m	EFE052-010M
15m	EFE052-015M
20m	EFE052-020M
LC-MTRJ Duplex	
1m	EFE059-001M
2m	EFE059-002M
3m	EFE059-003M
5m	EFE059-005M
10m	EFE059-010M
15m	EFE059-015M
20m	EFE059-020M
SC-SC Duplex	
1m	EFE055-001M
2m	EFE055-002M
3m	EFE055-003M
5m	EFE055-005M
10m	EFE055-010M
15m	EFE055-015M
20m	EFE055-020M
ST-SC Duplex	
1m	EFE054-001M
2m	EFE054-002M
3m	EFE054-003M
5m	EFE054-005M
10m	EFE054-010M
15m	EFE054-015M
20m	EFE054-020M

Item	Code
OM2 Simplex/Duplex Patch Cord	
ST-ST Duplex	
1m	EFE053-001M
2m	EFE053-002M
3m	EFE053-003M
5m	EFE053-005M
10m	EFE053-010M
15m	EFE053-015M
20m	EFE053-020M
MTRJ-MTRJ Duplex	
1m	EFE056-001M
2m	EFE056-002M
3m	EFE056-003M
5m	EFE056-005M
10m	EFE056-010M
15m	EFE056-015M
20m	EFE056-020M
MTRJ-SC Duplex	
1m	EFE058-001M
2m	EFE058-002M
3m	EFE058-003M
5m	EFE058-005M
10m	EFE058-010M
15m	EFE058-015M
20m	EFE058-020M
MTRJ-ST Duplex	
1m	EFE057-001M
2m	EFE057-002M
3m	EFE057-003M
5m	EFE057-005M
10m	EFE057-010M
15m	EFE057-015M
20m	EFE057-020M
E-2000-E-2000 Duplex	
1m	EFE063-001M
2m	EFE063-002M
3m	EFE063-003M
5m	EFE063-005M
10m	EFE063-010M
E-2000-SC Duplex	
1m	EFE062-001M
2m	EFE062-002M
3m	EFE062-003M
5m	EFE062-005M
10m	EFE062-010M
15m	EFE062-015M
20m	EFE062-020M

About Black Box:

Black Box is a leading technology product solutions provider that helps customers build, manage, optimize, and secure their networks. The Black Box quality management system is ISO 9001:2008 certified, and the company has received numerous industry recognitions. Black Box provides its customers with free, 24/7 pre- and post-sales technical support. The Black Box catalog and Web site offer an extensive range of infrastructure products including Cabling, Cabinets & Racks, Data Center Cooling Solutions, Power & Surge Protection, and Environmental Monitoring.

© Copyright 2014. Black Box Corporation. All rights reserved. Black Box® and the Double Diamond logo are registered trademarks of BB Technologies, Inc. Any third-party trademarks appearing in this publication are acknowledged to be the property of their respective owners.