Datasheet

HP PremierFlex Fibre Optic Cables

Flexible without downtime

Fibre optic cable routing can result in 90° bends, cables caught in cabinet doors and kinks. Data loss and transmission errors resulting from these common problems are difficult to troubleshoot, expensive, and increase downtime. HP PremierFlex bendable fibre optic cables solve these problems by providing up to 10 times better bend performance than existing fibre cables. They also offer 135% higher bandwidth than existing aqua OM3 fibre cables, and 840% higher bandwidth than existing orange OM2 fibre cables, ensuring that critical data arrives successfully.

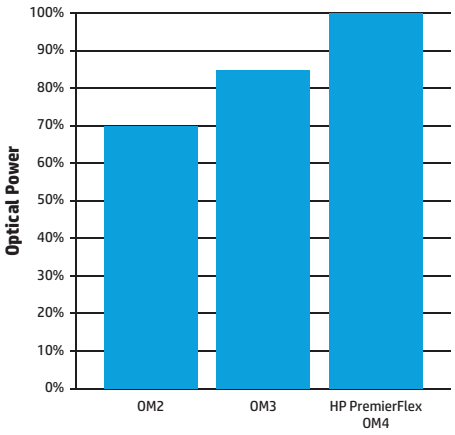
HP PremierFlex features and benefits

- **Significantly improved performance under acute bend**
  135% higher bandwidth and less modal dispersion than standard OM3 cables, and 840% higher bandwidth vs. standard OM2 cables.
- **Lower maintenance cost**
  Less susceptible to signal loss in typical routing applications, which means more up-time, less troubleshooting, and lower operating expense
- **Efficient use of space**
  Tolerant of tighter bends needed in compact applications
- **Reliability insurance**
  Provide signal reliability and peace of mind
- **Simplified installation**
  Can be handled more intuitively
- **Significantly better signal quality**
  Have 112% better signal quality than standard OM2/OM3 fibre cables[1]
- **Varied cable lengths options**
  Come in lengths from ½ m to 50 m and include standard LC connectors on each end.
- **HP warranty and support**

1 Based on internal weighted average testing for attenuation, acute bending, and modal dispersion tests between OM2/OM3 cables vs. HP PremierFlex OM4

Provide more robust and reliable data transfer, due to their lower sensitivity to sharp bends, which can reduce downtime and operating expense.

Insensitivity to Acute Bends
Acute angle test of 30 bends, each at 2mm diameter around square tube.



HP PremierFlex Fibre Optic Cables

HP's revolutionary PremierFlex cables use a new bendable fibre technology that significantly improves bend performance over existing fibre cables. This, combined with improvements in fibre clarity and bandwidth, allows HP PremierFlex cables to transmit data over longer distances, at higher rates, with fewer transmission errors.

The flexibility of these new cables also enables simple, reliable installation, enhanced performance, and better signal integrity. Additionally, HP PremierFlex cables are tested and qualified to provide maximum performance across HP's entire product family.

Product Lineup

SKU	HP PremierFlex OM4 Optical Cables
QK732A	HP 1m PremierFlex OM4 LC/LC Multi-Mode Optical Cable
QK733A	HP 2m PremierFlex OM4 LC/LC Multi-Mode Optical Cable
QK734A	HP 5m PremierFlex OM4 LC/LC Multi-Mode Optical Cable
QK735A	HP 15m PremierFlex OM4 LC/LC Multi-Mode Optical Cable
QK736A	HP 30m PremierFlex OM4 LC/LC Multi-Mode Optical Cable
QK737A	HP 50m PremierFlex OM4 LC/LC Multi-Mode Optical Cable
QK729A	HP 10m PremierFlex OM4 MPO/MPO 8 fibre Multi-Mode Optical Cable
QK731A	HP 50m PremierFlex OM4 MPO/MPO 8 fibre Multi-Mode Optical Cable

SKU	HP OM3 Cables
AJ833A	HP .5m OM3 LC/LC Multi-Mode Optical Cable
AJ834A	HP 1m OM3 LC/LC Multi-Mode Optical Cable
AJ835A	HP 2m OM3 LC/LC Multi-Mode Optical Cable
AJ836A	HP 5m OM3 LC/LC Multi-Mode Optical Cable
AJ837A	HP 15m OM3 LC/LC Multi-Mode Optical Cable
AJ838A	HP 30m OM3 LC/LC Multi-Mode Optical Cable
AJ839A	HP 50m OM3 LC/LC Multi-Mode Optical Cable

	Good	Best
Product Family	**OM3**	**HP PremierFlex OM4**
ISO/IEC 11801 standard	OM3 (multimode)	OM4 (multimode)
Cable color	Aqua	Blue
Effective model bandwidth (850 nm)	2000 MHz-km	4700 MHz-km
Optical clarity-attenuation (loss/km)	3 dB/km	2.3 dB/km
Improved bend performance	–	83%
Minimum bend radius	15 mm	2 mm
Approximate loss at bend radius (850 nm)		
35.7 mm (2 turns)	< 0.5 dB	< 0.05 dB
15 mm (2 turns)	< 1 dB	< 0.1 dB
7.5 mm (2 turns)	N/A	< 0.2 dB
Maximum reach (no bend)		
14.025Gb SW	100 m	125 m
10GbE (Ethernet)	300 m	380 m
8.5Gb FC	150 m	190 m
4.25Gb FC	270 m	400 m
2Gb FC	500 m	-
1Gb FC	860 m	-
RoHS compliant	Yes	Yes
Core/Cladding (mm)	50/125	50/125
Connectors	LC/LC	LC/LC, MPO/MPO
Jacket material	OFNR LSZH	OFNR LSZH

For a complete list of products and important compatibility information
hpsancompat.com

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