

Datasheet

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DUCPHAT® LC/LC Duplex OS2 Patch Cords - UPC

DUC PHAT manufactures a wide range of factory terminated and tested fiber optic patch cords. Available in various fiber types and fiber/cable constructions and connector options, our factory-based assembly and machine connector polishing systems ensure excellence in performance, inter-connectability and durability. All patch cords are 100% tested using standards-based testing procedures.

DUCPHAT® single patch cords are high-performance, high-quality patch cords used for LAN's, Datacenters, Telecom & FTTx networks, and also high speed metropolitan and WAN networks. The DUCPHAT® patch cords are manufactured using PVC or LSZH cable which conforms to IEC & TIA standards. The patch cords are terminated with the highest quality connectors, giving them optimum optical performance and reliable repeatability.

Features

- * Connector types available LC/SC/ST/FC/MTRJ/MTP/MPO
- * 100% end face inspected & compliance with GR-326-CORE
- * High-quality, machine polished connectors for consistent low loss performance
- * Short buffer style connector boots for ease of fiber management in high density applications

Applications

- * High speed LAN, MAN, WAN networks and Data Centers
- * CATV / VIDEO / WDM / DWDM / FTTx / ATM, SONET & WDM
- * FTTH, FTTx and Passive Optical Networks PON
- * High speed multi channel video, data and voice services in metropolitan and access networks

Technical Properties

- * Connector types: LC - LC
- * Jacket: PVC or LSZH
- * Insertion Loss: Singlemode: $\leq 0.15\text{dB}$ typical / $\leq 0.30\text{dB}$ maximum
- * Return Loss Singlemode: APC $\leq 35\text{dB}$ / UPC $\leq 35\text{dB}$ / PC $\leq 35\text{dB}$
- * Polish Type: UPC
- * Flammability: IEC 60332 Part 3
- * Operating Temperature: -40 to +85°C

Standards Compliance

- * Fire retardant (IEC 60332-3)
- * Compliant to TIA 604-5 and IEC 61754-7
- * Standards ISO/IEC 11801 / Cenelec EN 50173-1 / TIA-568 C.0
- * Data Center Cenelec EN 50173-5 / ISO/IEC 24764/ TIA-942
- * Ethernet IEEE 802.3; 10/40/100GbE
- * RoHS-6 Compliant



Ordering Information

| Item | Part Number Scheme |
|-------------|-----------------------|
| Jumper Cord | DP-JC-AB/AB-C-D-E-F-G |

| A | Connector type | B | Polishing | C | Fiber type | D | Cable Diameter |
|------|-----------------|-------|--------------|-----|-------------------------|----|----------------|
| SC | SC Connector | Blank | PC type | SM | Single mode (SM), G.652 | 09 | 0.9mm |
| FC | FC Connector | AC | APC type | S5 | Single mode (SM), G.655 | 20 | 2.0mm |
| ST | ST Connector | | | S7 | Single mode (SM), G.657 | 24 | 2.4mm |
| LC | LC Connector | | | M1 | Multi mode (OM1) | 30 | 3.0mm |
| MTRJ | MTRJ Connector | | | M2 | Multi mode (OM2) | | |
| | | | | M3 | Multi mode (OM3) | | |
| | | | | M4 | Multi mode (OM4) | | |
| E | Connector type | F | Cable Jacket | G | Length (M) | | |
| SP | Simplex Cord | V | PVC | 005 | 0.5m | | |
| DP | Duplex Zip Cord | Z | LSZH | 010 | 1m | | |
| | | | | 030 | 3m | | |
| | | | | 050 | 5m | | |
| | | | | 100 | 10m | | |
| | | | | 150 | 15m | | |
| | | | | 200 | 20m | | |
| | | | | 500 | 50m | | |

* Other lengths available on request *

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