



OPTIPLUS
n e t w o r k s



STRUCTURED
CABLING PARTNER

Category 6 F/UTP Patch Cord

OPTIPLUS Category 6 F/UTP Patch Cord performs well in high-noise environments such as industrial and manufacturing where electromagnetic devices could impair the network. It offers high quality performance with foil-over unshielded Cat 6 cable and a shielded plug fitted with a strain relief boot. Optiplus patch cords are individually tested as per ANSI/TIA-568-C.2 channel standard which are compliant with RJ-45 modular plugs and it is tested for transmission frequencies of up to 250MHz.



Standards

- ANSI/TIA-568-C.2
- TIA/EIA 568-B.2-1
- ISO/IEC 11801
- ISO/IEC 611156-2
- EN 50288-6-2
- EN 50173-1
- IEEE /802.af, IEEE 802.3at for PoE applications

Construction:

Conductor Material	23AWG Solid Bare Copper
Insulation Material	HDPE (HIGH DENSITY POLY ETHYLENE)
Number of Conductors	8 Nos
Jacket and Boot Material	LSZH or PVC
Jacket and Boot Color	As per requirement
Cable Overall Diameter	6.0mm max.

Electrical and Mechanical Characteristics:

- Impedance - $100 \Omega \pm 15\%$
- Frequency - 1 MHz to 250 MHz
- DC Resistance - $73 \Omega/100m$
- Capacitance - $5.6nF/100m$
- Propagation Delay Skew - 35 nsec/100m
- Dielectric Strength - 1KV/minute
- Operating Temperature - $-20^{\circ}C$ to $75^{\circ}C$
- Storage Temperature - $0^{\circ}C$ to $80^{\circ}C$

Ordering Information:

PART NUMBER	DESCRIPTION	LENGTH
OP-C614012301/PVC	Category 6 F/UTP Patch Cord PVC 01m	1m
OP-C614012302/PVC	Category 6 F/UTP Patch Cord PVC 02m	2m
OP-C614012303/PVC	Category 6 F/UTP Patch Cord PVC 03m	3m
OP-C614012305/PVC	Category 6 F/UTP Patch Cord PVC 05m	5m
OP-C614012310/PVC	Category 6 F/UTP Patch Cord PVC 10m	10m
OP-C614012301/LSZH	Category 6 F/UTP Patch Cord LSZH 01m	1m
OP-C614012302/LSZH	Category 6 F/UTP Patch Cord LSZH 02m	2m
OP-C614012303/LSZH	Category 6 F/UTP Patch Cord LSZH 03m	3m
OP-C614012305/LSZH	Category 6 F/UTP Patch Cord LSZH 05m	5m
OP-C614012310/LSZH	Category 6 F/UTP Patch Cord LSZH 10m	10m



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