



Category 6 Unshielded U/UTP Reduced Diameter Patch Cords

AFL's Category 6 shielded reduced diameter patch cords are a reliable patching solution for Gigabit Ethernet networks. Ideal for use in high density environments or where space is limited, their reduced diameter minimises clutter and allows for improved cable management.

Features

- Reduced 3.8 mm diameter, 28AWG conductors
- Low Smoke Zero Halogen jacket material
- Snag-less plug design
- Gold plated contact pins (50 micro-inches)

Applications

- TIA/EIA 854 Gigabit Ethernet over Cat 6 Cabling
- 1000Base-T Gigabit Ethernet
- 100Base-TX Fast Ethernet
- 10Base-T Ethernet

Specifications

RJ45 Plug	Housing	Polycarbonate, UL 94V-2, Transparent colour
	Contact Material	Phosphor Bronze with 50-60 micro-inch Nickel plated on surface contact area
	Contact Finish	Min. 50 micro-inch Gold plated
Cable	Wiring	T568B
	Type	Unshielded U-UTP, 4 twisted pairs
	Jacket Material	LSZH
	Outer Diameter	3.8 ± 0.2 mm
	Conductor	28AWG standard copper
Temperature Range	Insulation	HDPE
	Installation	0 to 50°C
	Storage	-20 to 70°C (under static conditions)
Bending Radius (no load)	Operation	-20 to 60°C (under static conditions)
	Min. 8x Cable Diameter	

Ordering Information

Description	AFL No.
C6 U/UTP Reduced Diameter 0.5 M Lead, Blue LSZH	AFL6005SM-BU-L
C6 U/UTP Reduced Diameter 1 M Lead, Blue LSZH	AFL6010SM-BU-L
C6 U/UTP Reduced Diameter 1.5 M Lead, Blue LSZH	AFL6015SM-BU-L
C6 U/UTP Reduced Diameter 2 M Lead, Blue LSZH	AFL6020SM-BU-L
C6 U/UTP Reduced Diameter 2.5 M Lead, Blue LSZH	AFL6025SM-BU-L
C6 U/UTP Reduced Diameter 3 M Lead, Blue LSZH	AFL6030SM-BU-L
C6 U/UTP Reduced Diameter 5 M Lead, Blue LSZH	AFL6050SM-BU-L
C6 U/UTP Reduced Diameter 10 M Lead, Blue LSZH	AFL6100SM-BU-L

Note: For alternate patch cord configurations, please contact AFL for more information.

Qualifications Table

IEC	IEC 60603-7: Plug structure and performance
	IEC 60332-1-2: LSZH
ISO/IEC	ISO/IEC 11801-1: Class E performance
ANSI/TIA	ANSI/TIA-568.2-D: Cat6 channel and connecting-hardware performance
ACMA	ACMA Compliant

