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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	New Release	2023.05.15	LI
B	Added new lengths	2024.05.29	LI
C	Change description to U/FTP	2025.03.17	LI

Overview
Bandwidth: 2000MHz
OD: 6.0mm
Conductor: 26AWG
Approvals: RoHS
Connector: 50U" gold plated RJ45 connector

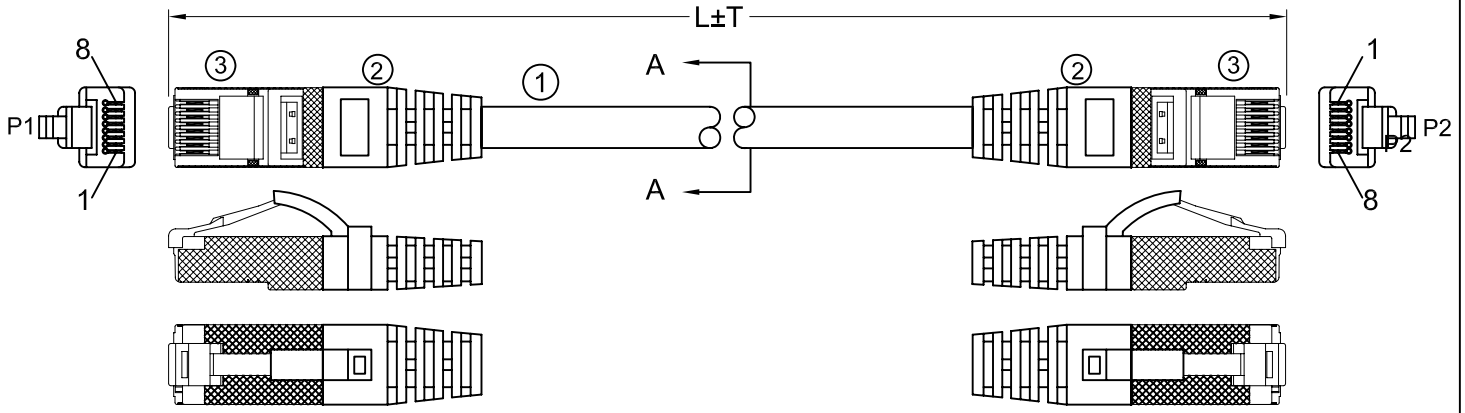
Physical Characteristics
•Cable Type – Cat8 U/FTP
•Connector Type(s) – RJ45
•Wiring Scheme –T568B
•Temperature Rating
  • Installation: 0℃~50℃
  • Operation: -20℃~60℃
•Voltage Rating – 30V

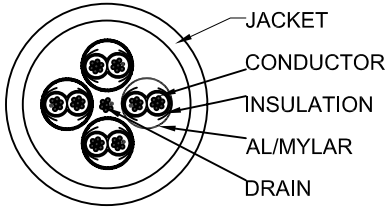
Conductor (Qty. 4 twisted pair)
• Conductor Type – 26AWG(7/0.16MM), Stranded BC
• Insulation – FOPE
• Diameter – 1.02±0.05mm
• Pair Identification:
  • Pair1=Orange, Orange-White
  • Pair2=Blue, Blue-White
  • Pair3=Green, Green-White
  • Pair4=Brown, Brown-White

Connector Type (Qty. 2)
• Connector Type – Shielded 8P8C (RJ45)
• Gender – Male
• Connector Material – Transparent Black PC
• Contact Material – Copper Alloy, 50U"Gold Plating
• Hood Material – PVC MOLDED BOOT

Overall Cable
• Jacket – PVC
• Minimum Average Thickness – 0.60mm
• Outer Diameter – 6.0 ± 0.20mm

Electrical Characteristics
• Conductor DC Resistance – 17.89Ω/100m (maximum)
• Impedance – 100Ω
• Capacitance – 5600pf/100m
• Propagation Delay – 545ns/100m (maximum)
• Delay Skew – 45ns/100m (maximum)
• Pass Fluke DSX 8000 Channel Test





SEC:A-A

P1		P2	T568B
1		1	WHITE/ORANGE
2		2	ORANGE
3		3	WHITE/GREEN
4		4	BLUE
5		5	WHITE/BLUE
6		6	GREEN
7		7	WHITE/BROWN
8		8	BROWN
S		S	SHIELDED

Part Number.	*LENGTH(FT)*	*TOLERANCE*
MP-CAT8STPBLK-001	1	+20/-15mm
MP-CAT8STPBLK-002	2	+20/-15mm
MP-CAT8STPBLK-003	3	+20/-15mm
MP-CAT8STPBLK-005	5	±20mm
MP-CAT8STPBLK-007	7	±30mm
MP-CAT8STPBLK-010	10	±30mm
MP-CAT8STPBLK-014	14	±30mm
MP-CAT8STPBLK-020	20	±30mm
MP-CAT8STPBLK-025	25	±50mm
MP-CAT8STPBLK-030	30	±80mm
MP-CAT8STPBLK-040	40	±80mm
MP-CAT8STPBLK-050	50	±80mm
MP-CAT8STPBLK-065	65	±80mm

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
DECIMALS .X ±.X .XX ±.XX .XXX ±.XXX
ANGLES ± X°
THIRD ANGLE PROJECTION

EAR NO.

APPROVALS		DATE
DRAWN	Song	2025.03.17
CHECKED	Liang	2025.03.17
RESP ENG	Leven Li	2025.03.17
MFG ENG	Xiao	2025.03.17

Amphenol Cables on Demand
20 VALLEY ST. ENDICOTT, NY 13760

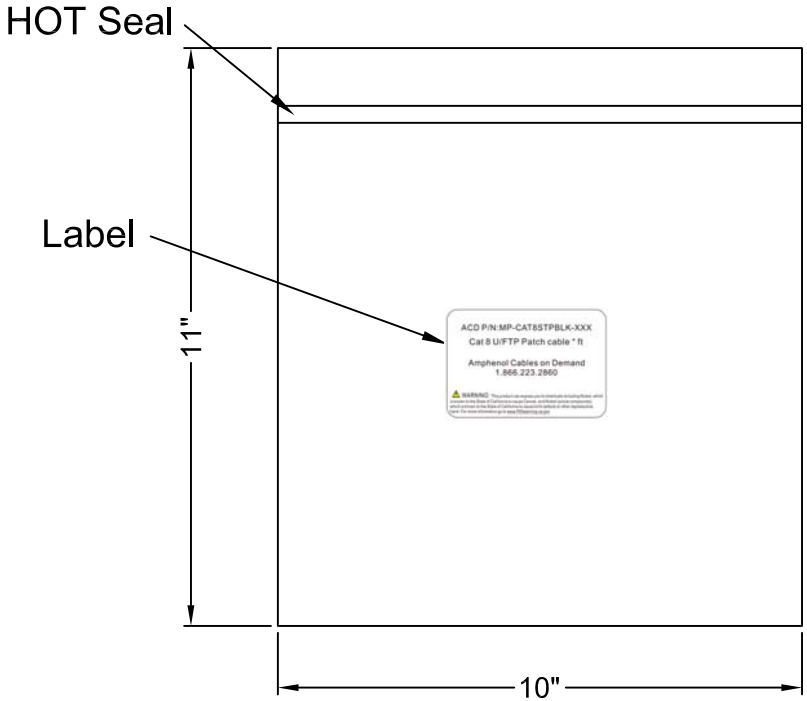
CAT 8 U/FTP Patch Cable

SIZE A | DWG. NO. MP-CAT8STPBLK-XXX | REV. C
CAD FILE: | SCALE | SHEET 1 OF 3

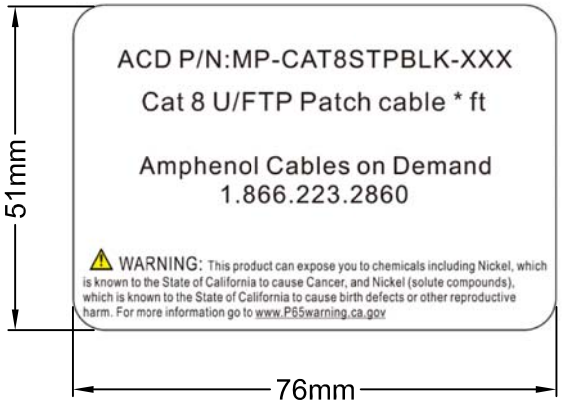
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1 PC/PE Bag



Label
(White Background with Black letter)

Part Number.	LENGTH(FT)	TOLERANCE
MP-CAT8STPBLK-001	1	+20/-15mm
MP-CAT8STPBLK-002	2	+20/-15mm
MP-CAT8STPBLK-003	3	+20/-15mm
MP-CAT8STPBLK-005	5	±20mm
MP-CAT8STPBLK-007	7	±30mm
MP-CAT8STPBLK-010	10	±30mm
MP-CAT8STPBLK-014	14	±30mm
MP-CAT8STPBLK-020	20	±30mm
MP-CAT8STPBLK-025	25	±50mm
MP-CAT8STPBLK-030	30	±80mm
MP-CAT8STPBLK-040	40	±80mm
MP-CAT8STPBLK-050	50	±80mm
MP-CAT8STPBLK-065	65	±80mm

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:

DECIMALS		ANGLES
.X	±.X	± X°
.XX	±.XX	
.XXX	±.XXX	

THIRD ANGLE PROJECTION

EAR NO.

APPROVALS		DATE
DRAWN	Song	2025.03.17
CHECKED	Liang	2025.03.17
RESP ENG	Leven Li	2025.03.17
MFG ENG	Xiao	2025.03.17

Amphenol Cables on Demand
20 VALLEY ST. ENDICOTT, NY 13760

CAT 8 U/FTP Patch Cable

SIZE	DWG. NO.	REV.
A	MP-CAT8STPBLK-XXX	C

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MP-CAT8STPBLK-030	30	±80mm
MP-CAT8STPBLK-040	40	±80mm
MP-CAT8STPBLK-050	50	±80mm
MP-CAT8STPBLK-065	65	±80mm

BOM LIST

NO.	ITEM	SPECIFICATION	Q'TY	UNIT
4	LABEL	Label 76x51mm, White Background with Black letter	1	PCS
3	MOLDED:	60P Black PVC		g
2	CONN.	STP RJ45 PLUG: 8P8C 50U" GOLD PLATED TWO-PIECE TRANSPARENT BLACK PLUG; SHIELDED NICKEL PLATING.	2	PCS
1	CABLE	CAT8 U/FTP[26AWG(1/0.405±0.008BC)+AL/MYLART]*4+ DRAIN(7/0.16TC) OD:6.0+0.2MM PVC Black Jacket	1	PCS

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:

DECIMALS		ANGLES
.X	±.X	± X°
.XX	±.XX	
.XXX	±.XXX	

THIRD ANGLE PROJECTION

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CAT 8 U/FTP Patch Cable

SIZE	DWG. NO.	REV.
A	MP-CAT8STPBLK-XXX	C

CAD FILE: | SCALE | SHEET 3 OF 3

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