

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF AMPHENOL CABLES ON DEMAND. ANY REPRODUCTION OR DISCLOSURE, TO THIRD PARTIES, IN PART OR WHOLE, WITHOUT THE EXPRESS WRITTEN PERMISSION OF AMPHENOL CABLES ON DEMAND IS PROHIBITED.

REVISIONS				
REV.	DESCRIPTION		DATE	APPROVED
A	New Release		2023.05.15	LI
B	Added new lengths		2024.05.29	LI

Overview

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

Physical Characteristics

- Cable Type – Cat8 STP
- Connector Type(s) – RJ45
- Wiring Scheme –T568B
- Temperature Rating
 - Installation: 0°C~50°C
 - Operation: -20°C~60°C
- 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)

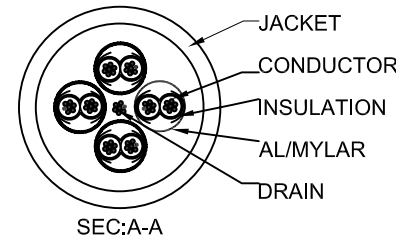
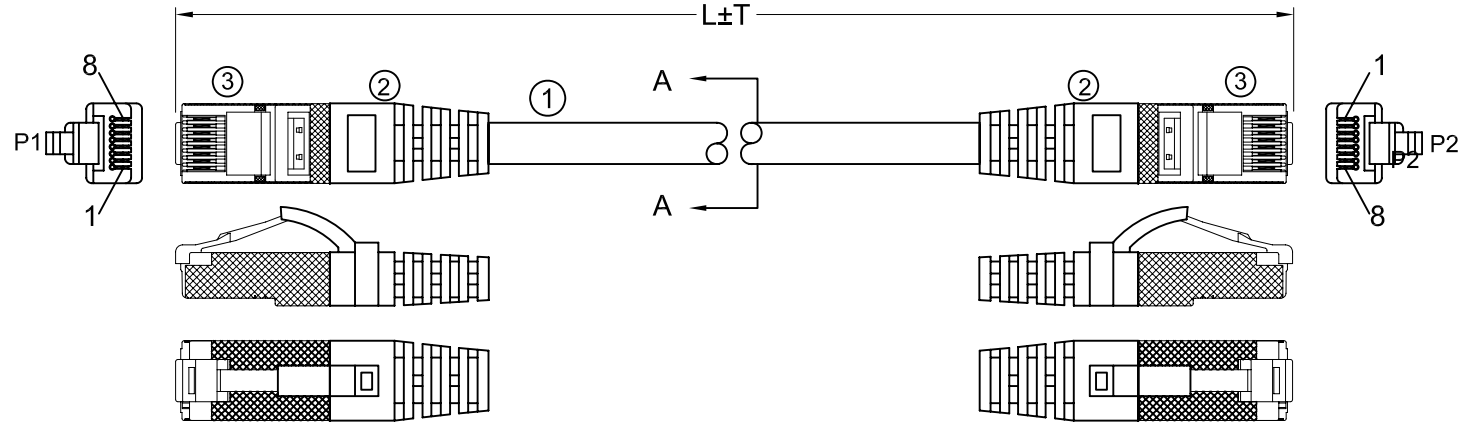
- Connector Type – Shielded 8P8C (RJ45)
- Gender – Male
- Connector Material – Transparent Black PC
- Contact Material – Copper Alloy, 50U"Gold Plating
- Hood Material – PVC MOLDED BOOT

Overall Cable

- Jacket – PVC
- Minimum Average Thickness – 0.60mm
- Outer Diameter – 6.0 ± 0.20mm

Electrical Characteristics

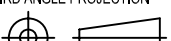
- Conductor DC Resistance – 17.89Ω/100m (maximum)
- Impedance – 100Ω
- Capacitance – 5600pf/100m
- Propagation Delay – 545ns/100m (maximum)
- Delay Skew – 45ns/100m (maximum)
- Pass Fluke DSX 8000 Channel Test



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



CLIENT NO.	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 .XX .XXX ANGLES ±X° ±XX ±XXX THIRD ANGLE PROJECTION 	EAR NO.		Amphenol Cables on Demand 20 VALLEY ST. ENDICOTT, NY 13760			
	APPROVALS		DATE		CAT 8 STP Patch Cable	
	DRAWN Song		2024.05.29			
	CHECKED Liang		2024.05.29			
	RESP ENG Leven Li		2024.05.29			
MFG ENG Xiao		2024.05.29		SIZE A	DWG. NO. MP-CAT8STPBLK-XXX	REV. B
CAD FILE:			SCALE			SHEET 1 OF 3

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF AMPHENOL CABLES ON DEMAND. ANY REPRODUCTION OR DISCLOSURE, TO THIRD PARTIES, IN PART OR WHOLE, WITHOUT THE EXPRESS WRITTEN PERMISSION OF AMPHENOL CABLES ON DEMAND IS PROHIBITED.

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	New Release	2023.05.15	LI
B	Added new lengths	2024.05.29	LI

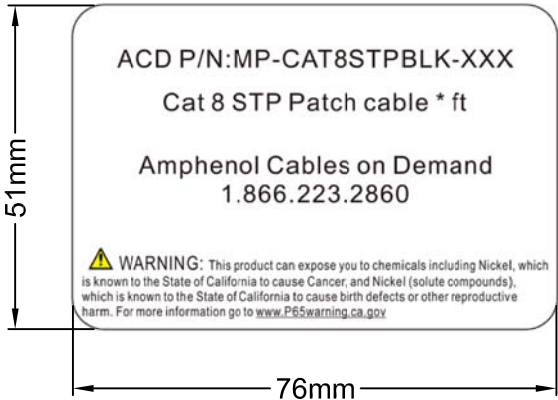
HOT Seal

Label

11"

10"

1 PC/PE Bag



Label

(White Background with Black letter)



CLIENT NO.	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

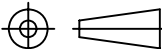
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: DECIMALS ANGLES .X ±.X ± X° .XX ±.XX .XXX ±.XXX		EAR NO.		Amphenol Cables on Demand 20 VALLEY ST. ENDICOTT, NY 13760		
		APPROVALS	DATE			
THIRD ANGLE PROJECTION 		DRAWN	Song	2024.05.29	CAT 8 STP Patch Cable	
		CHECKED	Liang	2024.05.29		
		RESP ENG	Leven Li	2024.05.29		
		MFG ENG	Xiao	2024.05.29	SIZE A	DWG. NO. MP-CAT8STPBLK-XXX
CAD FILE:		SCALE			SHEET 2 OF 3	
					REV. B	

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF AMPHENOL CABLES ON DEMAND. ANY REPRODUCTION OR DISCLOSURE, TO THIRD PARTIES, IN PART OR WHOLE, WITHOUT THE EXPRESS WRITTEN PERMISSION OF AMPHENOL CABLES ON DEMAND IS PROHIBITED.

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	New Release	2023.05.15	LI
B	Added new lengths	2024.05.29	LI

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
NO.	ITEM	SPECIFICATION	Q'TY	UNIT

CLIENT NO.	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

BOM LIST		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:		EAR NO.		Amphenol Cables on Demand 20 VALLEY ST. ENDICOTT, NY 13760					
		DECIMALS		ANGLES		APPROVALS		DATE			
		.X ±.X ± X°		DRAWN		Song		2024.05.29			
		.XX ±.XX		CHECKED		Liang		2024.05.29			
		.XXX ±.XXX		THIRD ANGLE PROJECTION		RESP ENG		Leven Li 2024.05.29			
CAD FILE:				MFG ENG		Xiao 2024.05.29		SIZE A	DWG. NO. MP-CAT8STPBLK-XXX	REV. B	
SCALE										SHEET 3 OF 3	