

Cat8 SFTP Patch Cord, 26AWG

Technical Data Sheet

CableMAX Model No. **CM-10037XXXBSTK** Rev 250626

Length	Black	Blue	Gray	Green	Orange	Red	White	Yellow	Purple
0.5ft	CM-100370BKBSTK	CM-100370BLBSTK	CM-100370GNBSTK	CM-100370GYBSTK	CM-100370ORBSTK	CM-100370PUBSTK	CM-100370RDBSTK	CM-100370WTBSTK	CM-100370YWBSTK
1ft	CM-100371BKBSTK	CM-100371BLBSTK	CM-100371GNBSTK	CM-100371GYBSTK	CM-100371ORBSTK	CM-100371PUBSTK	CM-100371RDBSTK	CM-100371WTBSTK	CM-100371YWBSTK
2ft	CM-100372BKBSTK	CM-100372BLBSTK	CM-100372GNBSTK	CM-100372GYBSTK	CM-100372ORBSTK	CM-100372PUBSTK	CM-100372RDBSTK	CM-100372WTBSTK	CM-100372YWBSTK
3ft	CM-100373BKBSTK	CM-100373BLBSTK	CM-100373GNBSTK	CM-100373GYBSTK	CM-100373ORBSTK	CM-100373PUBSTK	CM-100373RDBSTK	CM-100373WTBSTK	CM-100373YWBSTK
4ft	CM-100374BKBSTK	CM-100374BLBSTK	CM-100374GNBSTK	CM-100374GYBSTK	CM-100374ORBSTK	CM-100374PUBSTK	CM-100374RDBSTK	CM-100374WTBSTK	CM-100374YWBSTK
5ft	CM-100375BKBSTK	CM-100375BLBSTK	CM-100375GNBSTK	CM-100375GYBSTK	CM-100375ORBSTK	CM-100375PUBSTK	CM-100375RDBSTK	CM-100375WTBSTK	CM-100375YWBSTK
7ft	CM-100377BKBSTK	CM-100377BLBSTK	CM-100377GNBSTK	CM-100377GYBSTK	CM-100377ORBSTK	CM-100377PUBSTK	CM-100377RDBSTK	CM-100377WTBSTK	CM-100377YWBSTK
10ft	CM-100378BKBSTK	CM-100378BLBSTK	CM-100378GNBSTK	CM-100378GYBSTK	-	CM-100378PUBSTK	CM-100378RDBSTK	CM-100378WTBSTK	CM-100378YWBSTK

* Information listed represents all cables within this series

Specifications

• Cable Specifications:

CAT8 S/FTP 4 X 1P[26AWG(7/0.16mm±0.008mm BC)]+D(7/0.12TC)+AL/MYLAR
+B(16*6/0.12AL-MG) CM PVC JACKET OD: 6.0±0.20mm

• Standard Reference:

- All Category 8 Requirements as Per ANSI/TIA, ISO/IEC, and CENELEC EN Standards
- ANSI/TIA-5682-D Cat.8
- ISO/IEC 3rd Edition 11801 Class L
- We Implemented RoHS Compliance for the Requirement of European Union Issued Directive 2011/65/EU

• Physical characteristic

- Rated temperature: 75°C
- Installation temperature: -20-60°C
- Operating temperature: -20-75°C
- Min bending radius:15xOD in Operation:10xOD after operation

• Application

- 1000BASE-T Gigabit Ethernet
- 10BASE-T, 100BASE-TX Fast Ethernet (IEEE 802.3)
- 100 VG - AnyLAN(IEEE802.12)
- 2000MHz Broadband Video Voice, T1, ISDN

Compliance

Compliant with TIA/EIA standard by UL & ETL; RoHS Compliant



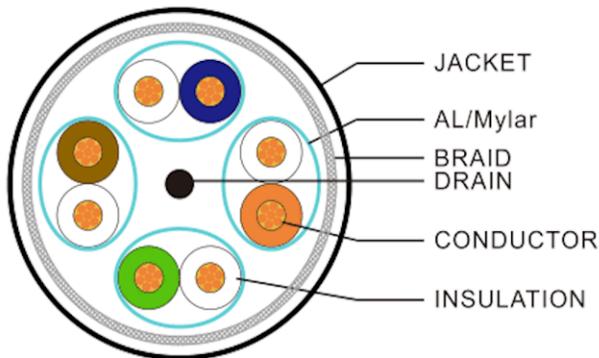
Electrical Performance

CABLE CONSTRUCTION		
Conductor	Material	Stranded Bare Copper
	Nom.O.D (mm)	7/0.16±0.008mm 24AWGx4P
Insulation FMPE	Average Thickness(mm)	0.12
	Insulation Dia.(±0.05mm)	1.04
	Unaged Elongation	N/A
	Unaged Tensile Strength	N/A
Code Color	1 Blue/White	2 Orange/White
	3 Green/White	4 Brown/White
AL/Mylar	COVERAGE 100%	OVERLAP25%min
DRAIN	Material	TC
	Size (±0.008mm)	7/0.12
BRAID	Material	AL-MG
	Size (±0.008mm)	16*6/0.12
Jacket CM PVC	Average Thickness (mm)	0.6
	Outer Dia.(±0.20mm)	6.0
	Unaged Elongation	Min. 100%
	Unaged Tensile Strength	Min.1.407 Kgf/mm ²
	Aging at 100°C for 168Hrs	Min. elongation retention:50% Min. tensile strength retention:75%
Marking	25/40GBase-T CAT 8-2000MHz S/FTP PIMF 26AWG PATCH CABLE CM PVC	

CHARACTERISTICS	
Dielectric Strength of Insulation	1500 V dc / 1 minute
Insulation Resistance Test	Min. 500 MΩ·Km
Conductor Resistance	Max. 17.89Ω/100m at 20°C
Resistance Unbalance	Max. 2%
Capacitance Unbalance	Max. 220 pF/100m

Configuration

Cable Cross-Section Structure



TECHNICAL PERFORMANCE				
TIA Cat 8 Channel Test				
Frequency (MHZ)	Insertion Loss	RL Min (dB)	NEXT Min (dB)	
1	3.0	19.0	65.0	
4	3.0	19.0	63.8	
8	3.0	19.0	58.9	
10	3.0	19.0	57.3	
16	3.0	18.0	53.9	
20	3.0	17.5	52.3	
25	3.2	17.0	50.7	
31.25	3.6	16.5	49.1	
62.25	5.1	16.0	44.0	
100	6.5	16.0	40.5	
200	9.3	14.3	35.3	
250	10.4	13.4	33.6	
300	11.5	12.7	32.3	
400	13.3	11.6	30.1	
500	15.0	10.7	27.9	
600	16.5	10.0	25.7	
1000	22.0	8.0	19.3	
1500	27.7	8.0	13.9	
2000	32.7	8.0	9.8	
Frequency (MHZ)	PS NEXT Min(dB)	ELFEXT Min(dB)	PSELFEXT Min(dB)	Impedance (Ohms)
1	62.0	65.0	62.0	100±15
4	60.5	59.9	56.9	
8	55.6	53.9	50.9	
10	54.0	52.0	49.0	
16	50.6	47.9	44.9	
20	49.0	45.9	42.9	
25	47.3	44.0	41.0	
31.25	45.7	42.1	39.1	
62.25	40.6	36.0	33.0	
100	37.1	32.0	29.0	
200	31.9	25.9	22.9	
250	30.2	24.0	21.0	
300	28.8	22.4	19.4	
400	26.6	19.9	16.9	
500	24.8	18.0	15.0	
600	22.7	16.4	13.4	
1000	16.5	12.0	9.0	
1500	11.2	8.4	5.4	
2000	7.3	5.9	2.9	