

Cat8 UFTP Patch Cord, 30AWG

Technical Data Sheet CableMAX Model No. **CM-1003XXXXBSTK**

Length	Black	Blue	Grey	Green	Orange	Red	White	Yellow	Purple
0.5ft.	CM-100385BKBSTK	CM-100385BLBSTK	CM-100385GYBSTK	CM-100385GNBSTK	CM-100385ORBSTK	CM-100385RDBSTK	CM-100385WTBSTK	CM-100385YWBSTK	CM-100385PUBSTK
1ft.	CM-100386BKBSTK	CM-100386BLBSTK	CM-100386GYBSTK	CM-100386GNBSTK	CM-100386ORBSTK	CM-100386RDBSTK	CM-100386WTBSTK	CM-100386YWBSTK	CM-100386PUBSTK
2ft.	CM-100387BKBSTK	CM-100387BLBSTK	CM-100387GYBSTK	CM-100387GNBSTK	CM-100387ORBSTK	CM-100387RDBSTK	CM-100387WTBSTK	CM-100387YWBSTK	CM-100387PUBSTK
3ft.	CM-100388BKBSTK	CM-100388BLBSTK	CM-100388GYBSTK	CM-100388GNBSTK	CM-100388ORBSTK	CM-100388RDBSTK	CM-100388WTBSTK	CM-100388YWBSTK	CM-100388PUBSTK
5ft.	CM-100390BKBSTK	CM-100390BLBSTK	CM-100390GYBSTK	CM-100390GNBSTK	CM-100390ORBSTK	CM-100390RDBSTK	CM-100390WTBSTK	CM-100390YWBSTK	CM-100390PUBSTK
7ft.	CM-100392BKBSTK	CM-100392BLBSTK	CM-100392GYBSTK	CM-100392GNBSTK	CM-100392ORBSTK	CM-100392RDBSTK	CM-100392WTBSTK	CM-100392YWBSTK	CM-100392PUBSTK
10ft.	CM-100395BKBSTK	CM-100395BLBSTK	CM-100395GYBSTK	CM-100395GNBSTK	CM-100395ORBSTK	CM-100395RDBSTK	CM-100395WTBSTK	CM-100395YWBSTK	CM-100395PUBSTK

PRODUCT DESCRIPTION

• Cable Specifications:

CAT8 U/FTP 4 X 1P[30AWG(7/0.10mm±0.008mm BC)+AL/Mylar]+D(7/0.127mm)TC CM PVC OD: 4.5±0.20mm

• Standard Reference:

- ISO/IEC 11801:2017
- ANSI/TIA-568.2-D

• Physical characteristic

- Rated temperature: 75°C
- Installation temperature: -20~60°C
- Operating temperature: -20~75°C
- Min bending radius: 8xOD in Operation: 6xOD after operation
- Safety Characteristics: RoHS-2 2011/65/EU

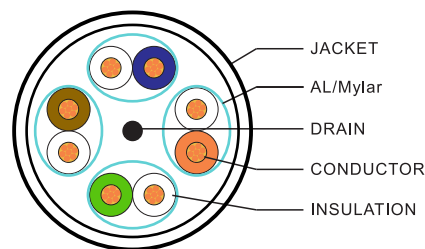
• Application

- Support 2000MHz bandwidth
- Support 10G Ethernet
- Applied to data centers, servers, switches, wiring racks and other equipment connections

CHARACTERISTICS

Conductor Resistance@20°C	≤452Ω/km
Resistance Unbalance@20°C	≤5%

Cable Cross-Section Structure



CABLE CONSTRUCTION

Conductor	Material	Stranded Bare Copper	
	Nom.O.D (mm)	7/0.10±0.008mm 30AWGx4P	
Insulation		FMPE	HDPE
Average Thickness(mm)		/	0.21
Insulation Dia.(±0.05mm)		/	0.72
AL/Mylar		COVERAGE 100%	OVERLAP25%min
DARIN	Material	TC	
	Size (±0.008mm)	7/0.127	
Jacket CM PVC	Average Thickness (mm)		0.50
	Outer Dia.(±0.20mm)		4.5
Code Color	1 Blue/Blue*White		2 Orange/Orange*White
	3 Green/Green*White		4 Brown/Brown*White
Marking	25/40GBase-T CAT 8 -2000MHz U/FTP 30AWG PATCH CABLE CM PVC		

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±1
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	