

CAT 7

ENTEGRADE SERIES 1000ft

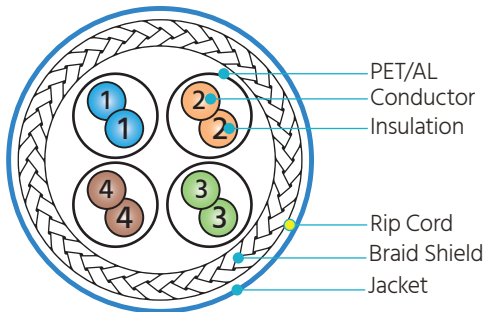


S/FTP SOLID PVC
650MHZ, 10G

For more information or to order, please contact **Monoprice Sales Representative** or sales@monoprice.com

Construction

Conductor	0.57 ±0.02mm
Material:	Soft annealed bare copper wire
Insulation:	PE-Foam/Skin-PE
Nominal Wall:	0.39mm
Diameter:	1.35±0.05mm
Individually Pair Shielded	
Material:	Aluminum Foil-Polyester Tape
Outer Shield Braid	
Material:	Solid Tinne
Coverage:	>30%
Rip Cord	Under the sheath
Jacket	PVC
Nominal wall thickness of sheath	0.45mm
Outer Diameter:	7.5±0.5mm



Color of Pairs

Pair 1 White/Blue + Blue	Pair 3 White/Green + Green
Pair 2 White/Orange + Orange	Pair 4 White/Brown + Brown

Electrical Characteristics

ITEM MHz	ATT	NEXT	RL	PS-NEXT	ELFEXT	PSELFEXT
	dB/100m	dB	dB	dB	dB	dB
	Max.	Min.	Min.	Min.	Min.	Min.
4	3.7	78.0	23.0	75.0	78.0	75.0
8	5.2	78.0	24.5	75.0	77.2	74.2
10	5.9	78.0	25.0	75.0	75.3	72.3
16	7.4	78.0	25.0	75.0	71.2	68.2
20	8.3	78.0	25.0	75.0	69.3	66.3
25	9.3	78.0	24.3	75.0	67.3	64.3
31.25	10.4	78.0	23.6	75.0	65.4	62.4
62.5	14.9	75.5	21.5	72.5	59.4	56.4
100	19.0	72.4	20.1	69.4	55.3	52.3
200	27.5	67.9	18.0	64.9	49.3	46.3
250	31.0	66.4	17.3	63.4	47.3	44.3
300	34.2	65.2	17.3	62.2	45.8	42.8
400	40.0	63.4	17.3	60.4	43.3	40.3
500	45.3	61.9	17.3	58.9	41.3	38.3
600	50.1	60.7	17.3	57.7	39.7	36.7

NOTE: Spread out 100m cable and test it

Conductor Resistance@20 °C	≤ 93.8 Ohms/km
Unbalance Conductor DC Resistance	≤ 5%
Mutual Capacitance	≤ 56nF/km
Pair to Ground Capacitance Unbalance	≤ 330pF/100m

Mechanical Characteristics

Storage Temperature Range	-15 °C to 75 °C
Installation Temperature Range	0 °C to 60 °C
Maximum Pulling Force	25 lbs.
Minimum Bend Radius (Install)	65mm



Ratings/Certifications

ANSI, TIA, EIA-568-B, UL 444, CSA C22.6 CEC
 ETL VERIFIED, UL 444 CM, UL LISTED/CUL: E329415, CMR, ROHS 2

Jacket Printing: MONOPRICE CAT 6 22AWG 4PR ENTEGRADE ---ETL 4003289 CMR--ETL VERIFIED TO TIA/EIA-568-C.2 ROHS COMPLIANT 1000FT www.monoprice.com