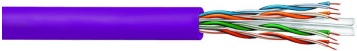


1-219567-7 | TE620P-VT02: CMP UTP 4/23 C6 1K'



ETL Verified Category 6 U/UTP Cable, plenum, violet jacket, 4 pair count, 1000 ft (305 m) length reel

OBSOLETE

Replaced By:

UN874026304/10

CS37P VLT C6 4/23 U/UTP RL 1KFT

CS37P ETL Verified Category 6 U/UTP Cable, plenum, violet jacket, 4 pair count, 1000 ft (305 m) length reel

Product Classification

Regional Availability	Asia Australia/New Zealand Latin America North America
Portfolio	NETCONNECT®
Product Type	Twisted pair cable

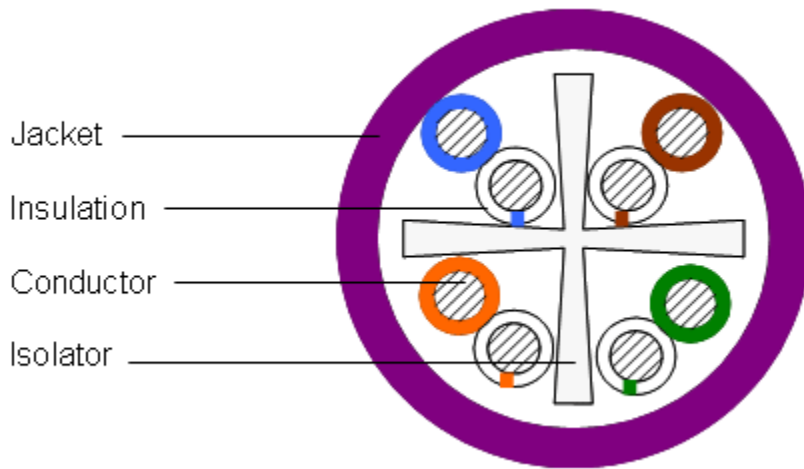
General Specifications

Product Number	620P
ANSI/TIA Category	6
Cable Component Type	Horizontal
Cable Type	U/UTP (unshielded)
Conductor Type, singles	Solid
Conductors, quantity	8
Jacket Color	Violet
Note	All electrical transmission tests include swept frequency measurements
Pairs, quantity	4
Separator Type	Isolator
Transmission Standards	ANSI/TIA-568.2-D CENELEC EN 50288-6-1 ISO/IEC 11801 Class E

Dimensions

Cable Length	1000 ft 304.8 m
Diameter Over Jacket, nominal	0.222 in 5.639 mm
Jacket Thickness	0.019 in 0.483 mm
Conductor Gauge, singles	23 AWG

Cross Section Drawing



Electrical Specifications

Characteristic Impedance	100 ohm
dc Resistance Unbalance, maximum	5 %
dc Resistance, maximum	6.66 ohms/100 m 2.03 ohms/100 ft
Delay Skew, maximum	45 ns
Dielectric Strength, minimum	1500 Vac 2500 Vdc
Mutual Capacitance at Frequency	5.4 nF/100 m @ 1 kHz
Nominal Velocity of Propagation (NVP)	74 %
Operating Frequency, maximum	400 MHz
Operating Voltage, maximum	80 V
Remote Powering	Fully complies with the recommendations set forth by IEEE 802.3bt (Type 4) for the safe delivery of power over LAN cable when installed according to ISO/IEC 14763-2, CENELEC EN 50174-1, CENELEC EN 50174-2 or TIA TSB-184-A
Safety Voltage Rating	300 V

Electrical Cable Performance

CS	CommScope	NEXT	Near End Crosstalk (dB/100m)
STD	Refers to the standard value listed under Transmission Standards in the Electrical Specifications above	PSNEXT	Power Sum Near End Crosstalk (db/100m)
TYP	Typical Electrical Performance	ACRF	Attenuation to Crosstalk Ratio - Far End (dB/100m)
IL	Insertion Loss (dB/100m)	RL	Return Loss (dB)
ACR	Attenuation to Crosstalk Ratio (dB/100m)	ELTCTL	Equal Level Transverse Conversion Transfer Loss (dB/100m)
PSACR	Power Sum Attenuation to Crosstalk Ratio (dB/100m)		
PSACRF	Power Sum Attenuation to Crosstalk Ratio - Far End (dB/100m)		
TCL	Transverse Conversion Loss (dB/100m)		

Freq. MHz	IL			NEXT			ACR			PSNEXT			PSACR			ACRF			PSACRF			RL			TCL		ELTCTL	
	CS	STD	TYP	CS	STD	TYP	CS	STD	TYP	CS	STD	TYP	CS	STD	TYP	CS	STD	TYP	CS	STD	TYP	CS	STD	TYP	CS	STD	CS	STD
1	2	2	1.8	77.3	74.3	90.3	75.3	72.3	88.5	75.3	72.3	88.1	73.3	70.3	86.3	68.8	67.8	84.1	65.8	64.8	82.6	20	20	32	40	40	35	35
4	3.8	3.8	3.6	68.3	65.3	82.7	64.5	61.5	79.1	66.3	63.3	80.4	62.5	59.5	76.8	56.8	55.8	72.7	53.8	52.8	71.4	23.6	23	30	40	40	23	23
8	5.3	5.3	5.1	63.8	60.8	78.1	58.5	55.4	72.9	61.8	58.8	75.8	56.5	53.4	70.6	50.7	49.7	66.9	47.7	46.7	65.5	25.4	24.5	34.3	40	40	16.9	16.9
10	5.9	6	5.8	62.3	59.3	76.5	56.4	53.3	70.7	60.3	57.3	74.3	54.4	51.3	68.5	48.8	47.8	65	45.8	44.8	63.6	26	25	34.9	40	40	15	15
16	7.5	7.6	7.3	59.2	56.2	73.5	51.7	48.7	66.1	57.2	54.2	71.3	49.7	46.7	64	44.7	43.7	61	41.7	40.7	59.5	26	25	35.2	38	38	10.9	10.9
20	8.4	8.5	8.2	57.8	54.8	72	49.4	46.3	63.8	55.8	52.8	69.8	47.4	44.3	61.6	42.8	41.8	59	39.8	38.8	57.6	26	25	35	37	37	9	9
25	9.4	9.5	9.2	56.3	53.3	70.3	46.9	43.8	61	54.3	51.3	68.2	44.9	41.8	58.9	40.8	39.8	57.1	37.8	36.8	55.7	25.3	24.3	36.1	36	36	7	7
31.25	10.6	10.7	10.3	54.9	51.9	68.9	44.3	41.2	58.6	52.9	49.9	66.8	42.3	39.2	56.5	38.9	37.9	55.2	35.9	34.9	53.8	24.6	23.6	36.4	35.1	35.1		
62.5	15.3	15.4	14.8	50.4	47.4	63.8	35.1	32	49	48.4	45.4	61.7	33.1	33	46.8	32.9	31.9	49	29.9	28.9	47.6	22.5	21.5	34.1	32	32		
100	19.7	19.8	19	47.3	44.3	60.5	27.6	24.5	41.6	45.3	42.3	58.3	25.6	22.5	39.3	28.8	27.8	44.7	25.8	24.8	43.3	21.1	20.1	32.4	30	30		
155	25	25.2	23.9	44.4	41.4	58.6	19.5	16.3	34.7	42.4	39.4	56.3	17.5	14.3	32.4	25	24	41.3	22	21	39.8	19.8	18.8	30	28.1	28.1		
200	28.8	29	27.4	42.8	39.8	55.4	14	10.8	28	40.8	37.8	53.3	12	8.8	26	22.8	21.8	38.5	19.8	18.8	37.1	19	18	29.3	27	27		
250	32.6	32.8	30.8	41.3	38.3	54	8.7	5.5	23.2	39.3	36.3	51.9	6.7	3.5	21	20.8	19.8	36.5	17.8	16.8	35	18.3	17.3	28.3	26	26		
300	36.2		34	40.1		52.2	4		18.2	38.1		50.2	2		16.2	19.3		34.6	16.3		33.1	17.8		28.2				
350	39.5		37	39.1		50.9	-0.4		14	37.1		48.9	-2.4		12	17.9		33	14.9		31.4	17.3		28.1				
400	42.7		39.7	38.3		49.9	-4.4		10.2	36.3		47.9	-6.4		8.2	16.8		30.9	13.8		29.4	16.9		28.6				
500			44.9			48			3.1			45.9			1			26.9			25.2			28.7				
550			45.2			47.5			2.3			45.5			0.3			26.9			25.2			28.5				
650			49.8			46.4			-2.5			44.2			-5.6			23.3			21.5			25.3				

Material Specifications

Conductor Material	Bare copper
Insulation Material	FEP Polyolefin
Jacket Material	PVC
Separator Material	FEP

Mechanical Specifications

Pulling Tension, maximum	25 lb 11.34 kg
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Environmental Specifications

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Installation temperature	0 °C to +60 °C (+32 °F to +140 °F)
Operating Temperature	-20 °C to +60 °C (-4 °F to +140 °F)
Environmental Space	Plenum
Temperature Rating, UL	75 °C 167 °F
Flame Test Method	CMP/FT6 NFPA 262
Smoke Test Method	CMP/FT6

Packaging and Weights

Cable weight	27.76 lb/kft 41.311 kg/km
Packaging Type	Reel

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant

