

HDBaseT-recommended Twisted Pair Cable

CAT.5E HDC Cable

The CAT.5E HDC cable is a double-shielded twisted pair cable that optimizes video signal transmission of IDK's HDC series product (twisted pair cable extenders and splitters), MSD and FDX series products (products with extending function).

The CAT.5E HDC cable is certified to 500 MHz bandwidth at distance up to 330 feet (100 m) and verified to meet requirements specified by HDBaseT Alliance. The double-shielded structure protects video signal from outside interference. In order to maximize the performance of the CAT.5E HDC cable, use IDK's transmitters and receivers with STP's RJ-45 connector and keep the cable grounded.

Specification		Loc (Lizz					
Structure		SF / UTP 4 Unshielded Twisted pair, 24 AWG solid tinned annealed copper					
					a copper led annealed copper v	wire braid (Density:	90% or more)
Certification		UL20276 (Rating 176°F ((80 °C)), 30 V)					
Standards		ANSI / TIA-568-C.2 Enhanced Category 5					
RoHS		Yes					
Operating temperature range		14 °F to 140°F (-10 °C to +60 °C)					
Printing on she			76 VW-1 80C 30	0V E59568-A			
· · · · · · · · · · · · · · · · · · ·		IDK Corporation		E AWG24-4P-SA	ASB HDBaseT (TM) eter	Recommended Ca	ble
Others		Indoor use, Ether	net, meeting ANSI/TI	A-568-C.2 Enhance	ed Category5 (Bandw	ridth: 500 MHz)	
Physical Cha Conductor	Material	I Appealed copper			I		
Conductor	Outside dia.	Annealed copper				_	
	Stranding	0.02" (0.51 mm) Solid					
Insulation							Barrier layer
	Material	Polyolefin					
	Nominal thickness	0.009" (0.245 mm)			//// (1		
	Outside dia.	0.039" (1.0 mm)					Shielding1
					(4)	2	
	Insulation	Blue / White (Blue), Orange / White (Orange) Green / White (Green), Brown / White (Brown)					
Color		Four (4) Unshielded twisted pairs (8 in total)			3		Shielding2
Twisted pair		Plastic tape lap winding					
Barrier layer Shielding1		Plastic tape lap w	minum fall naturation	tono lor win -!!			Sheath
Double	Shielding1	Double-faced aluminum foil polyester tape lap winding Tinned annealed copper wire braid (Density: 90% or more)					Sheath
shielding	Shielding2						
Sheath	ū				Insulation colors		
Siledili	Material	Lead-free • Heat-resistant PVC				Blue) 2 Orango / \	White (Orango)
	Nominal	0.021" (0.55 mm)			1. Blue / White (Blue), 2. Orange / White (Orange) 3. Green / White (Green), 4. Brown / White (Brown)		
	thickness	· · ·			J. Green / white	(OIEEII), 4. DIUWII	/ AAIIIG (DIOMII)
0.11	Color	Green					
Outside dia.		0.259" (6.6 mm)					
Frame resistance		UL1581 VW-1					
Weight		About 28.6 lbs.(1	3.0 kg) / 656 feet (20	00 m)			
	haracteristics						
	ommended pulling	110 N					
tension							
Minimum bend		1.18" (30 mm)					
Electrical Cha	aracteristics						
Conductor res	istance	93.8 Ω / Km or le	ss (68°F ((20 °C))				
Insulation resistance		2,500 MΩ · km or more					
Dielectric strength AC		500 V / min.					
Characteristic impedance		$100 \pm 15 \Omega (1 \text{ MHz to } 500 \text{ MHz})$					
Capacitance		56.0 nF / km or less (1 kHz)					
		'Frequencies that exceeds TIA or ISO are just for your information. 100 m = approx. 330 feet					
Frequency	Insertion Loss	Near End	Power Sum	ACR to FEXT	Power Sum	Return Loss :	Propagation
(MHz)	:IL@20C (dB / 100 m)	Crosstalk Loss : NEXT (dB)	NEXT : PSNEXT	Ratio: ACRF	ACRF: PSACRF (dB / 100 m)	RL	Delay : DELAY
		. INLXI (GD)	(dB)	(dB / 100 m)	(ub/100111)	(dB)	(ns / 100 m)
0.772	1.8	81.7	(dB) 79.7	77.4	74.9	(aB)	(ns / 100 m)
_	_	81.7	79.7	77.4	74.9	<u>`</u> —'	_
1	2.0	81.7 79.3	79.7 77.8	77.4 77.2	74.9 73.3	33.5	 531
1	2.0 3.8	81.7 79.3 72.1	79.7 77.8 68.9	77.4 77.2 64.5	74.9 73.3 62.0	- 33.5 36.0	 531 512
1 4 8	2.0 3.8 5.3	81.7 79.3 72.1 61.2	79.7 77.8 68.9 60.0	77.4 77.2 64.5 58.6	74.9 73.3 62.0 56.2	33.5 36.0 30.0	- 531 512 507
1 4 8 10	2.0 3.8 5.3 5.9	81.7 79.3 72.1 61.2 69.2	79.7 77.8 68.9 60.0 61.2	77.4 77.2 64.5 58.6 56.7	74.9 73.3 62.0 56.2 54.2	33.5 36.0 30.0 30.5	531 512 507 506
1 4 8 10 16	2.0 3.8 5.3 5.9 7.5	81.7 79.3 72.1 61.2 69.2 59.9	79.7 77.8 68.9 60.0 61.2 59.1	77.4 77.2 64.5 58.6 56.7 52.7	74.9 73.3 62.0 56.2 54.2 50.3	33.5 36.0 30.0 30.5 33.9	531 512 507 506 504
1 4 8 10 16 20	2.0 3.8 5.3 5.9 7.5 8.4	81.7 79.3 72.1 61.2 69.2 59.9 54.8	79.7 77.8 68.9 60.0 61.2 59.1 53.2	77.4 77.2 64.5 58.6 56.7 52.7 50.8	74.9 73.3 62.0 56.2 54.2 50.3 48.4	33.5 36.0 30.0 30.5 33.9 31.4	531 512 507 506 504 503
1 4 8 10 16 20 25	2.0 3.8 5.3 5.9 7.5 8.4 9.3	81.7 79.3 72.1 61.2 69.2 59.9 54.8 50.3	79.7 77.8 68.9 60.0 61.2 59.1 53.2 49.9	77.4 77.2 64.5 58.6 56.7 52.7 50.8 48.9	74.9 73.3 62.0 56.2 54.2 50.3 48.4 46.5	33.5 36.0 30.0 30.5 33.9 31.4 32.8	531 512 507 506 504 503 502
1 4 8 10 16 20 25 31.25	2.0 3.8 5.3 5.9 7.5 8.4 9.3 10.4	81.7 79.3 72.1 61.2 69.2 59.9 54.8 50.3 56.2	79.7 77.8 68.9 60.0 61.2 59.1 53.2 49.9 55.4	77.4 77.2 64.5 58.6 56.7 52.7 50.8 48.9 47.1	74.9 73.3 62.0 56.2 54.2 50.3 48.4 46.5 44.6	33.5 36.0 30.0 30.5 33.9 31.4 32.8 32.7	531 512 507 506 504 503 502 501
1 4 8 10 16 20 25 31.25 62.5	2.0 3.8 5.3 5.9 7.5 8.4 9.3 10.4 14.7	81.7 79.3 72.1 61.2 69.2 59.9 54.8 50.3 56.2 44.0	79.7 77.8 68.9 60.0 61.2 59.1 53.2 49.9 55.4 43.6	77.4 77.2 64.5 58.6 56.7 52.7 50.8 48.9 47.1 42.5	74.9 73.3 62.0 56.2 54.2 50.3 48.4 46.5 44.6 39.9	33.5 36.0 30.0 30.5 33.9 31.4 32.8 32.7 31.7	531 512 507 506 504 503 502 501 499
1 4 8 10 16 20 25 31.25 62.5	2.0 3.8 5.3 5.9 7.5 8.4 9.3 10.4 14.7 18.5	81.7 79.3 72.1 61.2 69.2 59.9 54.8 50.3 56.2 44.0 52.3	79.7 77.8 68.9 60.0 61.2 59.1 53.2 49.9 55.4 43.6 49.7	77.4 77.2 64.5 58.6 56.7 52.7 50.8 48.9 47.1 42.5 40.6	74.9 73.3 62.0 56.2 54.2 50.3 48.4 46.5 44.6 39.9 37.6	33.5 36.0 30.0 30.5 33.9 31.4 32.8 32.7 31.7 31.0	- 531 512 507 506 504 503 502 501 499 498
1 4 8 10 16 20 25 31.25 62.5 100 200*	2.0 3.8 5.3 5.9 7.5 8.4 9.3 10.4 14.7 18.5 26.5	81.7 79.3 72.1 61.2 69.2 59.9 54.8 50.3 56.2 44.0 52.3 50.8	79.7 77.8 68.9 60.0 61.2 59.1 53.2 49.9 55.4 43.6 49.7	77.4 77.2 64.5 58.6 56.7 52.7 50.8 48.9 47.1 42.5 40.6 32.7	74.9 73.3 62.0 56.2 54.2 50.3 48.4 46.5 44.6 39.9 37.6 30.9	33.5 36.0 30.0 30.5 33.9 31.4 32.8 32.7 31.7 31.0 29.0	- 531 512 507 506 504 503 502 501 499 498 497
1 4 8 10 16 20 25 31.25 62.5 100 200* 250*	2.0 3.8 5.3 5.9 7.5 8.4 9.3 10.4 14.7 18.5 26.5 29.8	81.7 79.3 72.1 61.2 69.2 59.9 54.8 50.3 56.2 44.0 52.3 50.8 43.0	79.7 77.8 68.9 60.0 61.2 59.1 53.2 49.9 55.4 43.6 49.7 43.0 39.7	77.4 77.2 64.5 58.6 56.7 52.7 50.8 48.9 47.1 42.5 40.6 32.7 31.8	74.9 73.3 62.0 56.2 54.2 50.3 48.4 46.5 44.6 39.9 37.6 30.9 28.4	33.5 36.0 30.0 30.5 33.9 31.4 32.8 32.7 31.7 31.0 29.0 26.3	- 531 512 507 506 504 503 502 501 499 498 497 497
1 4 8 10 16 20 25 31.25 62.5 100 200* 250* 300*	2.0 3.8 5.3 5.9 7.5 8.4 9.3 10.4 14.7 18.5 26.5 29.8 32.9	81.7 79.3 72.1 61.2 69.2 59.9 54.8 50.3 56.2 44.0 52.3 50.8 43.0 37.3	79.7 77.8 68.9 60.0 61.2 59.1 53.2 49.9 55.4 43.6 49.7 43.0 39.7 36.4	77.4 77.2 64.5 58.6 56.7 52.7 50.8 48.9 47.1 42.5 40.6 32.7 31.8 28.1	74.9 73.3 62.0 56.2 54.2 50.3 48.4 46.5 44.6 39.9 37.6 30.9 28.4 27.7	33.5 36.0 30.0 30.5 33.9 31.4 32.8 32.7 31.7 31.0 29.0 26.3 22.1	- 531 512 507 506 504 503 502 501 499 498 497 497
1 4 8 10 16 20 25 31.25 62.5 100 200* 250* 300* 400*	2.0 3.8 5.3 5.9 7.5 8.4 9.3 10.4 14.7 18.5 26.5 29.8 32.9 38.4	81.7 79.3 72.1 61.2 69.2 59.9 54.8 50.3 56.2 44.0 52.3 50.8 43.0 37.3 38.2	79.7 77.8 68.9 60.0 61.2 59.1 53.2 49.9 55.4 43.6 49.7 43.0 39.7 36.4 35.2	77.4 77.2 64.5 58.6 56.7 52.7 50.8 48.9 47.1 42.5 40.6 32.7 31.8 28.1 29.1	74.9 73.3 62.0 56.2 54.2 50.3 48.4 46.5 44.6 39.9 37.6 30.9 28.4 27.7 25.0	33.5 36.0 30.0 30.5 33.9 31.4 32.8 32.7 31.7 31.0 29.0 26.3 22.1 24.7	- 531 512 507 506 504 503 502 501 499 498 497 497 497
1 4 8 10 16 20 25 31.25 62.5 100 200* 250* 300* 400* 500*	2.0 3.8 5.3 5.9 7.5 8.4 9.3 10.4 14.7 18.5 26.5 29.8 32.9 38.4 43.0	81.7 79.3 72.1 61.2 69.2 59.9 54.8 50.3 56.2 44.0 52.3 50.8 43.0 37.3 38.2 33.7	79.7 77.8 68.9 60.0 61.2 59.1 53.2 49.9 55.4 43.6 49.7 43.0 39.7 36.4 35.2 31.5	77.4 77.2 64.5 58.6 56.7 52.7 50.8 48.9 47.1 42.5 40.6 32.7 31.8 28.1 29.1 30.8	74.9 73.3 62.0 56.2 54.2 50.3 48.4 46.5 44.6 39.9 37.6 30.9 28.4 27.7	33.5 36.0 30.0 30.5 33.9 31.4 32.8 32.7 31.7 31.0 29.0 26.3 22.1	- 531 512 507 506 504 503 502 501 499 498 497 497
1 4 8 10 16 20 25 31.25 62.5 100 200* 250* 300* 400* 500*	2.0 3.8 5.3 5.9 7.5 8.4 9.3 10.4 14.7 18.5 26.5 29.8 32.9 38.4	81.7 79.3 72.1 61.2 69.2 59.9 54.8 50.3 56.2 44.0 52.3 50.8 43.0 37.3 38.2 33.7	79.7 77.8 68.9 60.0 61.2 59.1 53.2 49.9 55.4 43.6 49.7 43.0 39.7 36.4 35.2	77.4 77.2 64.5 58.6 56.7 52.7 50.8 48.9 47.1 42.5 40.6 32.7 31.8 28.1 29.1 30.8	74.9 73.3 62.0 56.2 54.2 50.3 48.4 46.5 44.6 39.9 37.6 30.9 28.4 27.7 25.0	33.5 36.0 30.0 30.5 33.9 31.4 32.8 32.7 31.7 31.0 29.0 26.3 22.1 24.7	- 531 512 507 506 504 503 502 501 499 498 497 497 497
1 4 8 10 16 20 25 31.25 62.5 100 200* 25 300* 400* 500* Propagation D	2.0 3.8 5.3 5.9 7.5 8.4 9.3 10.4 14.7 18.5 26.5 29.8 32.9 38.4 43.0	81.7 79.3 72.1 61.2 69.2 59.9 54.8 50.3 56.2 44.0 52.3 50.8 43.0 37.3 38.2 33.7 Maximum: 21.2 n	79.7 77.8 68.9 60.0 61.2 59.1 53.2 49.9 55.4 43.6 49.7 43.0 39.7 36.4 35.2 31.5 s / 100 m, Minimum:	77.4 77.2 64.5 58.6 56.7 52.7 50.8 48.9 47.1 42.5 40.6 32.7 31.8 28.1 29.1 30.8	74.9 73.3 62.0 56.2 54.2 50.3 48.4 46.5 44.6 39.9 37.6 30.9 28.4 27.7 25.0	33.5 36.0 30.0 30.5 33.9 31.4 32.8 32.7 31.7 31.0 29.0 26.3 22.1 24.7	- 531 512 507 506 504 503 502 501 499 498 497 497 497
1 4 8 10 16 20 25 31.25 62.5 100 200* 250* 300* 400* 500* Propagation D	2.0 3.8 5.3 5.9 7.5 8.4 9.3 10.4 14.7 18.5 26.5 29.8 32.9 38.4 43.0 Pelay Skew : SKEW	81.7 79.3 72.1 61.2 69.2 59.9 54.8 50.3 56.2 44.0 52.3 50.8 43.0 37.3 38.2 33.7 Maximum: 21.2 n	79.7 77.8 68.9 60.0 61.2 59.1 53.2 49.9 55.4 43.6 49.7 43.0 39.7 36.4 35.2 31.5 s / 100 m, Minimum:	77.4 77.2 64.5 58.6 56.7 52.7 50.8 48.9 47.1 42.5 40.6 32.7 31.8 28.1 29.1 30.8 19.9 ns / 100 m	74.9 73.3 62.0 56.2 54.2 50.3 48.4 46.5 44.6 39.9 37.6 30.9 28.4 27.7 25.0 27.4	33.5 36.0 30.0 30.5 33.9 31.4 32.8 32.7 31.7 31.0 29.0 26.3 22.1 24.7	- 531 512 507 506 504 503 502 501 499 498 497 497 497
1 4 8 10 16 20 25 31.25 62.5 100 200* 250* 300* 400* 500* Propagation D Models Cable without	2.0 3.8 5.3 5.9 7.5 8.4 9.3 10.4 14.7 18.5 26.5 29.8 32.9 38.4 43.0 elay Skew : SKEW	81.7 79.3 72.1 61.2 69.2 59.9 54.8 50.3 56.2 44.0 52.3 50.8 43.0 37.3 38.2 33.7 Maximum: 21.2 n HDC-C5E-xx or x The length can b (e.g. HDC-C5E-	79.7 77.8 68.9 60.0 61.2 59.1 53.2 49.9 55.4 43.6 49.7 43.0 39.7 36.4 35.2 31.5 s / 100 m, Minimum:	77.4 77.2 64.5 58.6 56.7 52.7 50.8 48.9 47.1 42.5 40.6 32.7 31.8 28.1 29.1 30.8 19.9 ns / 100 m	74.9 73.3 62.0 56.2 54.2 50.3 48.4 46.5 44.6 39.9 37.6 30.9 28.4 27.7 25.0 27.4	33.5 36.0 30.0 30.5 33.9 31.4 32.8 32.7 31.7 31.0 29.0 26.3 22.1 24.7	- 531 512 507 506 504 503 502 501 499 498 497 497 497
1 4 8 10 16 20 25 31.25 62.5 100 200* 250* 300* 400* 500* Propagation D Models Cable with cor	2.0 3.8 5.3 5.9 7.5 8.4 9.3 10.4 14.7 18.5 26.5 29.8 32.9 38.4 43.0 elay Skew : SKEW	81.7 79.3 72.1 61.2 69.2 59.9 54.8 50.3 56.2 44.0 52.3 50.8 43.0 37.3 38.2 33.7 Maximum: 21.2 n HDC-C5E-xx or x The length can (e.g. HDC-C5E-	79.7 77.8 68.9 60.0 61.2 59.1 53.2 49.9 55.4 43.6 49.7 43.0 39.7 36.4 35.2 31.5 s / 100 m, Minimum:	77.4 77.2 64.5 58.6 56.7 52.7 50.8 48.9 47.1 42.5 40.6 32.7 31.8 28.1 29.1 30.8 19.9 ns / 100 m	74.9 73.3 62.0 56.2 54.2 50.3 48.4 46.5 44.6 39.9 37.6 30.9 28.4 27.7 25.0 27.4 eter. ne length is 123 m)	33.5 36.0 30.0 30.5 33.9 31.4 32.8 32.7 31.7 31.0 29.0 26.3 22.1 24.7	- 531 512 507 506 504 503 502 501 499 498 497 497 497
1 4 8 10 16 20 25 31.25 62.5 100 200* 250* 300* 400* 500* Propagation D Models Cable without	2.0 3.8 5.3 5.9 7.5 8.4 9.3 10.4 14.7 18.5 26.5 29.8 32.9 38.4 43.0 elay Skew : SKEW	81.7 79.3 72.1 61.2 69.2 59.9 54.8 50.3 56.2 44.0 52.3 50.8 43.0 37.3 38.2 33.7 Maximum: 21.2 n HDC-C5E-xx or x The length can t (e.g. HDC-C5E- HDC-C5E- xx or x A: The length can t	79.7 77.8 68.9 60.0 61.2 59.1 53.2 49.9 55.4 43.6 49.7 43.0 39.7 36.4 35.2 31.5 s / 100 m, Minimum:	77.4 77.2 64.5 58.6 56.7 52.7 50.8 48.9 47.1 42.5 40.6 32.7 31.8 28.1 29.1 30.8 19.9 ns / 100 m	74.9 73.3 62.0 56.2 54.2 50.3 48.4 46.5 44.6 39.9 37.6 30.9 28.4 27.7 25.0 27.4 eter. ne length is 123 m)	33.5 36.0 30.0 30.5 33.9 31.4 32.8 32.7 31.7 31.0 29.0 26.3 22.1 24.7	- 531 512 507 506 504 503 502 501 499 498 497 497 497
1 4 8 10 16 20 25 31.25 62.5 100 200* 250* 300* 400* 500* Propagation D Models Cable with cor	2.0 3.8 5.3 5.9 7.5 8.4 9.3 10.4 14.7 18.5 26.5 29.8 32.9 38.4 43.0 elay Skew : SKEW	81.7 79.3 72.1 61.2 69.2 59.9 54.8 50.3 56.2 44.0 52.3 50.8 43.0 37.3 38.2 33.7 Maximum: 21.2 n HDC-C5E-xx or x The length can t (e.g. HDC-C5E- HDC-C5E-xx or A: The length can B: The length c	79.7 77.8 68.9 60.0 61.2 59.1 53.2 49.9 55.4 43.6 49.7 43.0 39.7 36.4 35.2 31.5 s / 100 m, Minimum:	77.4 77.2 64.5 58.6 56.7 52.7 50.8 48.9 47.1 42.5 40.6 32.7 31.8 28.1 29.1 30.8 19.9 ns / 100 m	74.9 73.3 62.0 56.2 54.2 50.3 48.4 46.5 44.6 39.9 37.6 30.9 28.4 27.7 25.0 27.4 eter. ne length is 123 m) meter. meter.	33.5 36.0 30.0 30.5 33.9 31.4 32.8 32.7 31.7 31.0 29.0 26.3 22.1 24.7	- 531 512 507 506 504 503 502 501 499 498 497 497 497
1 4 8 10 16 20 25 31.25 62.5 100 200* 250* 300* 400* 500* Propagation D Models Cable with cor (Both ends / C	2.0 3.8 5.3 5.9 7.5 8.4 9.3 10.4 14.7 18.5 26.5 29.8 32.9 38.4 43.0 Pelay Skew : SKEW connectors	81.7 79.3 72.1 61.2 69.2 59.9 54.8 50.3 56.2 44.0 52.3 50.8 43.0 37.3 38.2 33.7 Maximum: 21.2 n HDC-C5E-xx or x The length can b (e.g. HDC-C5E- HDC-C5E-xx or A: The length can b (e.g. HDC-C5E- The length can b (e.g. HDC-C5E- HDC-C5E- The length can b (e.g. HDC-C5E- HDC-C5E- The length can b (e.g. HDC-C5E-	79.7 77.8 68.9 60.0 61.2 59.1 53.2 49.9 55.4 43.6 49.7 43.0 39.7 36.4 35.2 31.5 s / 100 m, Minimum:	77.4 77.2 64.5 58.6 56.7 52.7 50.8 48.9 47.1 42.5 40.6 32.7 31.8 28.1 29.1 30.8 19.9 ns / 100 m	74.9 73.3 62.0 56.2 54.2 50.3 48.4 46.5 44.6 39.9 37.6 30.9 28.4 27.7 25.0 27.4 eter. ne length is 123 m) meter. meter. one end 123 m)	33.5 36.0 30.0 30.5 33.9 31.4 32.8 32.7 31.7 31.0 29.0 26.3 22.1 24.7 25.7	- 531 512 507 506 504 503 502 501 499 498 497 497 497 497 496
1 4 8 10 16 20 25 31.25 62.5 100 200* 250* 300* 400* 500* Propagation D Models Cable with cor (Both ends / C	2.0 3.8 5.3 5.9 7.5 8.4 9.3 10.4 14.7 18.5 26.5 29.8 32.9 38.4 43.0 elay Skew : SKEW	81.7 79.3 72.1 61.2 69.2 59.9 54.8 50.3 56.2 44.0 52.3 50.8 43.0 37.3 38.2 33.7 Maximum: 21.2 n HDC-C5E-xx or x The length can t (e.g. HDC-C5E- HDC-C5E- Two (2) shielded	79.7 77.8 68.9 60.0 61.2 59.1 53.2 49.9 55.4 43.6 49.7 43.0 39.7 36.4 35.2 31.5 s / 100 m, Minimum:	77.4 77.2 64.5 58.6 56.7 52.7 50.8 48.9 47.1 42.5 40.6 32.7 31.8 28.1 29.1 30.8 19.9 ns / 100 m	74.9 73.3 62.0 56.2 54.2 50.3 48.4 46.5 44.6 39.9 37.6 30.9 28.4 27.7 25.0 27.4 eter. ne length is 123 m) meter. meter.	33.5 36.0 30.0 30.5 33.9 31.4 32.8 32.7 31.7 31.0 29.0 26.3 22.1 24.7 25.7	- 531 512 507 506 504 503 502 501 499 498 497 497 497 497 496
1 4 8 10 16 20 25 31.25 62.5 100 200* 250* 300* 400* 500* Propagation D Models Cable without	2.0 3.8 5.3 5.9 7.5 8.4 9.3 10.4 14.7 18.5 26.5 29.8 32.9 38.4 43.0 Pelay Skew : SKEW connectors	81.7 79.3 72.1 61.2 69.2 59.9 54.8 50.3 56.2 44.0 52.3 50.8 43.0 37.3 38.2 33.7 Maximum: 21.2 n HDC-C5E-xx or x The length can (e.g. HDC-C5E- HDC-C5E-xx or x A: The length ca B: The length ca (e.g. HDC-C5E- Two (2) shielded tape for braid	79.7 77.8 68.9 60.0 61.2 59.1 53.2 49.9 55.4 43.6 49.7 43.0 39.7 36.4 35.2 31.5 s / 100 m, Minimum: EXX De e specified from 1 m 08: The length is 8 m xxx A or B A: Both 6 an be specified from 1 no 8A: Both ends, 8 m; RJ-45 connectors, tw	77.4 77.2 64.5 58.6 56.7 52.7 50.8 48.9 47.1 42.5 40.6 32.7 31.8 28.1 29.1 30.8 19.9 ns / 100 m	74.9 73.3 62.0 56.2 54.2 50.3 48.4 46.5 44.6 39.9 37.6 30.9 28.4 27.7 25.0 27.4 eter. ne length is 123 m) meter. meter. one end 123 m)	33.5 36.0 30.0 30.5 33.9 31.4 32.8 32.7 31.7 31.0 29.0 26.3 22.1 24.7 25.7	— 531 512 507 506 504 503 502 501 499 498 497 497 497 497 497

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HDBaseT recommended Twisted Pair Cable

CAT.5E HDC Cable: Features and Photos

■ Features

- Engineered for optimizing video signal transmission of IDK's HDC series product (twisted pair cable extenders and splitters), MSD and FDX series
 products (products with extending function)
- Meets requirements specified by HDBaseT Alliance
- Double-shielded structure: Provides additional protection video signal from outside interference
- · Certified to 500 MHz bandwidth at distance up to 330 feet (100 m)
- 4K video signal transmission up to 330 feet (100 m) available (when using with IDK's 4K products)
- · Connectors can be attached easily
- Employs highly-reliable 24 AWG solid copper conductor
- · SF /UTP design: overall braid and foil shield / four (4) unshielded twisted pairs
- · Easy installation: Braid density is 90% or more but flexible
- · Cable length can be specified by the meter
- Meter marks for every 1 meter on the sheath

Photos

Cable without connector





Cable with connectors





Parts for attaching connectors (Optional)

 $Shie\underline{\mathsf{Ided}}\,\,\mathsf{RJ-45}\,\,\underline{\mathsf{connector}}\,\,\mathsf{connector}\,\,\mathsf{cover}\,\,(\mathsf{Green}),\,\mathsf{and}\,\,\mathsf{two}\,\,(\mathsf{2})\,\,\mathsf{seals}\,\,\mathsf{of}\,\,\mathsf{0.3"}\,/\,\mathsf{8}\,\,\mathsf{mm-aluminum}\,\mathsf{foil}\,\,\mathsf{tape}\,\,\mathsf{for}\,\,\mathsf{braid}$



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