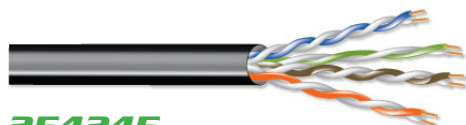


Detailed Specification & Technical Data



254245

4 Pair 24AWG UTP Category 5E CMP

10/100 BaseT Ethernet, IP CCTV, Digital Integration, HDBaseT

Construction & Dimensions

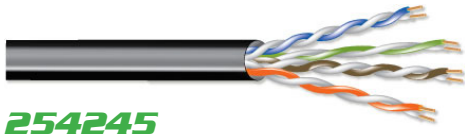
CONDUCTOR PARAMETERS		-
Number Of Pairs		4
AWG Size		24
Conductor Stranding		Solid
Conductor Type		Bare Copper
Nominal DCR		26 Ohm/1000ft
INSULATION PARAMETERS		-
Insulation Type		Fluoropolymer
Insulation Color Code		1.Blue,WH-Blue 2.Orange,WH-Orange 3.Green,WH-Green 4.Brown, WH-Brown
SHIELDING PARAMETERS		-
Shield Type		Unshielded Twisted Pair (UTP)
ELECTRICAL CHARACTERISTICS		-
Nominal Impedance		100 Ohm
Nominal Capacitance Between Conductors		14 pF/ft

Overall Construction

OVERALL CONSTRUCTION PARAMETERS		-
Total Number of Conductors		8
Jacket Type		Flexible Plenum
Nominal Cable O.D.		0.205 in
Plenum		Yes
NEC UL Rating		CMP
RoHS Compliant		Yes
ANSI/TIA Category		Category 5E TIA/EIA 568C.2
TIA Test		ANSI/TIA-568-C.2
Pull Tension		25 lbs
Bend Radius		1.025 in
Cable Weight		23 lbs

Overall Electrical & Optical Characteristics

OVERALL ELECTRICAL/OPTICAL CHARACTERISTICS		-
Nominal Velocity of Propagation (VP)		72 %
Delay Skew		25 ns/100m
UL Flammability		NFPA 262 Plenum
CSA Flammability		FT6
Operating Range		-20 to 75 Deg C
UL Voltage Rating		300

**254245**

Electrical Performance

Frequency (Mhz)	Max. Insertion Loss	Min. NEXT	Min. PSNEXT	Min. PSACR	Min. ACR	Min. PSACRF (PSELF-EXT)	Min. ACRF (ELF-EXT)	Min. RL (Return Loss)	Max/Min Input Imp. Unfit	Max/Min Fitted Imp.
1 MHz	2 db/100m	70.3 dB	68.3 dB	66.3 dB	70.3 dB	64.8 dB	67.8 dB	20 dB	100 ± 15 Ohm	100 ± 15 Ohm
4 MHz	4 db/100m	61.3 dB	59.3 dB	55.3 dB	59.3 dB	52.8 dB	55.8 dB	23.6 dB	100 ± 15 Ohm	100 ± 15 Ohm
8 MHz	5.7 db/100m	56.8 dB	54.8 dB	49.1 dB	53.1 dB	46.7 dB	49.7 dB	24.5 dB	100 ± 15 Ohm	100 ± 15 Ohm
10 MHz	6.4 db/100m	55.3 dB	53.3 dB	46.9 dB	50.9 dB	44.8 dB	47.7 dB	25 dB	100 ± 15 Ohm	100 ± 15 Ohm
16 MHz	8.1 db/100m	52.2 dB	50.2 dB	42.1 dB	46.1 dB	40.7 dB	43.7 dB	25 dB	100 ± 15 Ohm	100 ± 15 Ohm
20 MHz	9.1 db/100m	50.8 dB	48.8 dB	39.7 dB	43.7 dB	38.8 dB	41.8 dB	25 dB	100 ± 15 Ohm	100 ± 15 Ohm
25 MHz	10.2 db/100m	49.3 dB	47.3 dB	37.1 dB	41.1 dB	36.8 dB	39.8 dB	24.3 dB	100 ± 15 Ohm	100 ± 15 Ohm
31.25 MHz	11.4 db/100m	47.9 dB	45.9 dB	34.5 dB	38.5 dB	34.9 dB	37.9 dB	23.6 dB	100 ± 15 Ohm	100 ± 15 Ohm
62.5 MHz	16.7 db/100m	43.4 dB	41.1 dB	25 dB	29 dB	38.9 dB	31.9 dB	21.5 dB	100 ± 15 Ohm	100 ± 15 Ohm
100 MHz	21 db/100m	40.3 dB	38.3 dB	17.3 dB	21.3 dB	34.8 dB	27.8 dB	20.1 dB	100 ± 15 Ohm	100 ± 15 Ohm
155 MHz	26.6 db/100m	37.4 dB	35.4 dB	8.9 dB	12.8 dB	21 dB	24 dB	18.8 dB	100 ± 22 Ohm	100 ± 15 Ohm
200 MHz	30.5 db/100m	35.8 dB	33.8 dB	3.3 dB	7.3 dB	18.8 dB	21.8 dB	18 dB	100 ± 32 Ohm	100 ± 15 Ohm
250 MHz	34.4 db/100m	34.3 dB	32.3 dB		1.9 dB	16.8 dB	19.8 dB	17.3 dB	100 ± 32 Ohm	100 ± 15 Ohm
300 MHz	38 db/100m	33.1 dB	28.2 dB			15.2 dB	18.2 dB	14.4 dB	100 ± 32 Ohm	100 ± 15 Ohm
350 MHz	41.4 db/100m	32.1 dB	27.2 dB			13.9 dB	16.9 dB	13.8 dB	100 ± 32 Ohm	100 ± 15 Ohm
Tested to 350Mhz - Values above 100Mhz are for Engineering Purposes Only										

Related Products

RELATED PRODUCTS	
Non-Plenum Number	4245
Indoor/Outdoor Non Aquaseal	4245IO
Outdoor Direct Burial 1	4245OSP
Outdoor Direct Burial 2	M57562
Jack	KJ458MT-C5E-xx
Modular Plug	32-EZP
Modular Plug 2	32-5998UL

Part Numbers

Part Number	Jacket Color	Put Up Length
254245EZGY1000	GRAY	1000
254245EZBK1000	BLACK	1000
254245EZBL1000	BLUE	1000
254245EZRD1000	RED	1000
254245EZWH1000	WHITE	1000
254245EZOR1000	ORANGE	1000
254245EZGN1000	GREEN	1000
254245EZYE1000	YELLOW	1000
254245EZVT1000	VIOLET	1000
254245EZTN1000	TAN	1000
254245EZPK1000	PINK	1000
254245EZSGN1000	SECURITY GREEN	1000