CAT5E 350MHz (CMP) Plenum

PART NUMBER: CBL-C5E-350-CMP-BU | CBL-C5E-350-CMP-WH

PRODUCT DESCRIPTION

U/UTP, 24AWG SOLID BARE COPPER, CAT.5E, CMP
WITH RIP CORD

PRODUCT FEATURES

HIGH PERFORMANCE OF TRANSMISSION.
HIGH QUALITY OF SAFETY PROPERTY.
SWEEP FREQUENCY UP TO 350 MHZ.
REELEX CARTON AND EASY TO PULL OUT.
CARTON WITH ONE LAYER CORRUGATED DESIGN PROVIDING SUFFICIENT STRENGTH AND SAVING PACKAGING SPACE.

APPLICATION

STRUCTURE CABLING FOR HORIZONTAL AND BUILDING BACKBONE CABLE.
TRANSMISSION OF DIGITAL AND ANALOGUE FOR DATA, VIDEO AND AUDIO APPLICATIONS.
IEEE 802.3U 100BASE-T AND LEGACY SPEEDS.
CDDI / ATM / TOKEN RING
IEEE 802.3AF (POE) / IEEE 802.3AT (POE+)

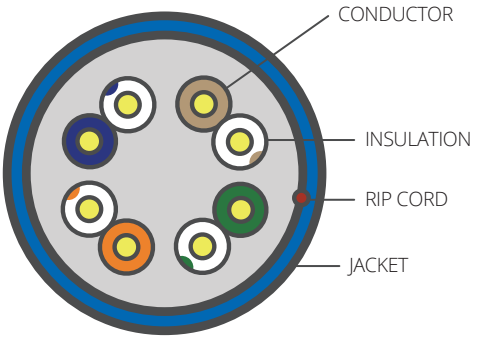
APPLICABLE STANDARD

ELECTRICAL TRANSMISSION	ANSI/TIA-568-C.2 (2009) ISO/IEC 11801 (EDITION 2.2) IEC 61156-5 (EDITION 2.1)
FLAME TEST	NFPA 262 (CMP)
MATERIAL AND CONSTRUCTION	UL 444 | CSA 22.2 NO.214

EU DIRECTIVE 2011/65/EU (ROHS2)
EU DIRECTIVE 2006/95/EC (LVD)
CE COMPLIANCE DATE: 2010.01.01

USAGE & ENVIRONMENTAL CONDITION

TEMPERATURE RANGE	
STORAGE & SHIPPING:	-20°C TO 75°C
INSTALLATION:	0°C TO 60°C
OPERATION:	-20°C TO 60°C
MINIMUM BENDING RADIUS:	≥ 4 TIMES OF OVERALL DIAMETER
MAXIMUM PULLING TENSION:	≤ 110 N



MATERIAL AND CONSTRUCTION

CONDUCTOR:	24AWG SOLID BARE COPPER
INSULATION	
SINGLE LAYER MATERIAL:	FLUORINATED ETHYLENE PROPYLENE (FEP)
COLOR CODE & DIAMETER:	BLUE & WHITE/BLUE STRIPE: 0.85 ± 0.02MM
DUAL LAYER MATERIAL:	POLYOLEFIN (PO) FLUORINATED ETHYLENE PROPYLENE (FEP)
COLOR CODE & DIAMETER:	ORANGE & WHITE/ORANGE STRIPE: 0.86 ± 0.02MM | GREEN & WHITE/GREEN STRIPE: 0.87 ± 0.02MM | BROWN & WHITE/BROWN STRIPE: 0.86 ± 0.02MM
TWISTED:	LEFT HAND DIRECTION
ASSEMBLY:	LEFT HAND DIRECTION
RIP CORD:	POLYESTER MULTI-YARN
JACKET MATERIAL:	LOW SMOKE FLAME RETARDANT POLYVINYL CHLORIDE (LSFRPVC)
JACKET DIAMETER:	4.5 + 0.2MM
JACKET THICKNESS:	0.38 + 0.03MM
JACKET COLOR:	PER CUSTOMER'S REQUEST

TRANSMISSION PERFORMANCE (AT 20˚C)

Frequency (MHZ)	IL (db/100m) Max	NEXT (db/100m) Min	PS NEXT (db/100m) Min	ACR (db/100m) Min	PS ACR (db/100m) Min	ACRF (db/100m) Min	PS ACRF (db/100m) Min	RL (db/100m) Min	Propagation Max. ns/100m	Delay Skew Max. ns/100m
1	2.04	65.30	62.30	63.26	60.26	63.80	60.80	20.00	570.00	45.00
4	4.05	56.27	53.27	52.22	49.22	51.76	48.76	23.01	552.00	45.00
8	5.77	51.75	48.75	45.99	42.99	45.74	42.74	24.52	546.73	45.00
10	6.47	50.30	47.30	43.83	40.83	43.80	40.80	25.00	545.38	45.00
16	8.25	47.24	44.24	38.99	35.99	39.72	36.72	25.00	543.00	45.00
20	9.27	45.78	42.78	36.52	33.52	37.78	34.78	25.00	542.05	45.00
25	10.42	44.33	41.33	33.91	30.91	35.84	32.84	24.32	541.20	45.00
31.25	11.72	42.88	39.88	31.15	28.15	33.90	30.90	23.64	540.44	45.00
62.5	16.99	38.36	35.36	21.37	18.37	27.88	24.88	21.54	538.55	45.00
100	21.98	35.30	32.30	13.33	10.33	23.80	20.80	20.11	537.60	45.00
150	27.54	32.66	29.66	5.11	2.11	20.28	17.28	18.87	536.94	45.00
200	32.42	30.78	27.78	N.A.	N.A.	17.78	14.78	18.00	536.55	45.00
250	36.85	29.33	26.33	N.A.	N.A.	15.84	12.84	17.32	536.28	45.00
300	40.97	28.14	25.14	N.A.	N.A.	14.26	11.26	16.77	536.08	45.00
350	44.85	27.14	24.14	N.A.	N.A.	12.92	9.92	16.30	535.92	45.00