

# Cat 5E - Enhanced 350 MHz 4 Pair/24 AWG - Plenum

Part Number: BC-C5EPL\*x1BX

\*x = Color – black (BK), blue (BL), green (GN), gray (GY),  
orange (OR), red (RD), white (WH), yellow (YL)



## Construction

Center Conductor	24 AWG Solid Bare Copper
Center Conductor Nominal Diameter	0.0197"   0.50 mm ± 0.005
Dielectric	FEP x 3 Pair – HDPE x 1 Pair
Nominal Diameter Over Dielectric – (FEP)	0.0354"   0.90 mm ± 0.05
– (HDPE)	0.0358"   0.91 mm ± 0.05
Ripcord Material	Nylon
Jacket Material	PL-PVC
Diameter Over Jacket	0.189" ± 0.008"   4.8 mm ± 0.2
Nominal Jacket Thickness	0.0181"   0.46 mm
Jacket Minimum Spot	0.0141"   0.36 mm
Color Code of 4 Pairs	1. Brown - White/Brown – FEP 2. Blue - White/Blue – HDPE 3. Orange – White/Orange – FEP 4. Green - White/Green – FEP
Legend	comCables BC-C5EPL-*xx CAT 5E TESTED TO 350MHz ---E340599 UTP 4PR 24AWG CMP C(UL)US---ETL VERIFIED TO TIA-568-C.2 0115 RoHS COMPLIANT ****FT

## Physical Characteristics

Temperature Rating	60°C, 75°C
Flame Test Of Cable	UL Fire Testing of CMP

## Electrical Properties

Capacitance (Nominal)	5.6nF/100m
Characteristic Impedance (Nominal)	100Ω ± 15%
Velocity Of Propagation (Nominal)	69.0%
DCR: Conductor (Nominal)	9.38Ω/100m.
D-C Resistance Unbalance	5% MAX.
Propagation Delay	100 MHz 538ns/100m Max.
Delay Skew	45ns/100m. Max.

