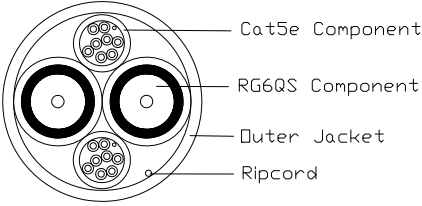
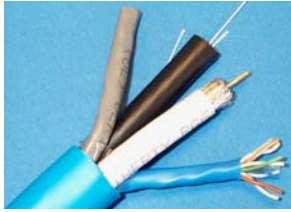


## Product Specification Sheet

**Catalog Number: CEBUS-2N2-J-LBL**

Construction Detail	Product Illustration																										
																											
Physical Construction	Description																										
<p><b>Component 1: UTP</b>                  24 AWG 4 pair solid bare copper                  PE insulation: .008-inch nominal thickness                  Each pair twisted in varying lay lengths                  4 pairs cabled on a common axis for roundness                  PVC jacket: .022-inch nominal thickness                  UTP construction: .197-inch nominal OD                  Print legend: <b>LWC 24-4P-L5-EN E190606-* (UL) C(UL) 4PR 24 AWG UTP 75C --- (UL) VERIFIED CAT5E</b></p> <p><b>Component 2: RG6 Quad Bare Copper</b>                  18 AWG solid bare copper center conductor                  Foam PE dielectric: .180-inch diameter, natural color                  100% Aluminum/Poly/Aluminum tape first shield                  60% 34 AWG Aluminum braid second shield                  100% Aluminum/Poly/Aluminum tape third shield                  40% 34 AWG Aluminum braid second shield                  PVC jacket: .033-inch nominal thickness                  Coaxial construction: .295-inch OD                  Print legend: <b>QUADFLEX-BC BY LIBERTY RG6-QUAD E190606-* (UL) C(UL) 18 AWG TYPE 75C</b></p> <p><b>Final Cable Assembly:</b>                  2 of Component 1 and 2 of component 2 planetary cabled in a 14 inch lay length.                  Nylon ripcord run under jacket                  PVC jacket: .033-inch nominal thickness                  Final Construction: .670-inch nominal OD                  Print legend: <b>CEBUS-2N2-J BY LIBERTY E190606-J (UL) C(UL) TYPE CMG 75C 16x24 AWG Cat5E 350 2x18 AWG RG6 Quad Shield</b>                  Sequential footmarkers are applied in conjunction with the print legend.</p>	<p>Communications rated Structured Home composite cable featuring two bare copper 3 GHz RG6 Quad Coaxial cables and 2 Category 5 Enhanced UTP cables. This product is for applications and installations in accordance with NEC articles 725 and 800</p>																										
Color Code																											
<p><b>UTP:</b> Jackets – Blue, Gray                  Pair 1: Blue-White/Blue                  Pair 2: Orange-White/Orange                  Pair 3: Green-White/Green                  Pair 4: Brown-White/Brown  <b>Coaxial:</b> Jackets – White, Black</p>																											
Electrical Specifications																											
<p><b>Coaxial:</b>                  DCR: 6.52 Ω per 1000 feet                  Capacitance: 16.2 pF per foot                  Impedance: 75 ± 3 Ω                  VOP: 82%                  SRL: 5-1000 MHz ≤ 20 dB                  1000-2200 MHz ≤ 17 dB</p> <p><b>UTP:</b>                  DCR: ≤ 28.59 Ω per 1000 Feet                  Impedance: 100 ± 15 Ω                  Delay Skew: 45ns/100m MAX                  Impedance: 100±15Ω                  Temperature: -20°C to 75°C                  See page 2 for Category data</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #e0e0e0;"> <th colspan="2">ATTENUATION</th> </tr> <tr style="background-color: #e0e0e0;"> <th>MHz</th> <th>dB/100ft</th> </tr> </thead> <tbody> <tr><td>1</td><td>0.26</td></tr> <tr><td>50</td><td>1.46</td></tr> <tr><td>100</td><td>2.05</td></tr> <tr><td>200</td><td>2.83</td></tr> <tr><td>400</td><td>4.05</td></tr> <tr><td>900</td><td>6.23</td></tr> <tr><td>1000</td><td>6.59</td></tr> <tr><td>1450</td><td>8.04</td></tr> <tr><td>1800</td><td>8.84</td></tr> <tr><td>2200</td><td>9.77</td></tr> <tr><td>3000</td><td>13.26</td></tr> </tbody> </table>	ATTENUATION		MHz	dB/100ft	1	0.26	50	1.46	100	2.05	200	2.83	400	4.05	900	6.23	1000	6.59	1450	8.04	1800	8.84	2200	9.77	3000	13.26
ATTENUATION																											
MHz	dB/100ft																										
1	0.26																										
50	1.46																										
100	2.05																										
200	2.83																										
400	4.05																										
900	6.23																										
1000	6.59																										
1450	8.04																										
1800	8.84																										
2200	9.77																										
3000	13.26																										
Regulatory Specifications																											
<p>NEC rated CMG                  CEC rated CMG                  EU RoHS 2002/95/EC Compliant</p>																											
Specification Control	Product Information																										
<p><b>Revision Date: 04/04/2009</b>                  Liberty Wire &amp; Cable specifications are subject to change without notice. Contact an account representative for current product specifications. Liberty Wire &amp; Cable continuously strives to ensure product specifications are accurate and complete. All physical specifications are nominal.</p>	<p><b>Jacket Colors:</b>                  Light Blue</p> <p><b>Packaging:</b> 500 foot reels</p>																										

Form Revision Date: 04/04/2009

## Product Specification Sheet

Catalog Number: CEBUS-2N2-J-LBL

### Category 5 Enhanced Electrical Characteristics.

Frequency (MHz)	Insertion Loss Max. dB/100m	NEXT Loss Min. (dB/100m)		ACR dB 100m	ELFEXT Min. (dB/100m)		Return Loss Min. (dB/100m)	Delay Max (ns/100m)
		WP	PS		WP	PS		
0.772	1.8	67.0	64.0	65.0	66.0	63.0	19.4	575
1.0	2.0	65.3	62.3	63.0	63.8	60.8	20.0	570
4.0	4.1	56.3	53.3	52.0	51.7	48.7	23.0	552
8.0	5.9	51.8	48.8	46.0	45.7	42.7	24.5	547
10.0	6.6	50.3	47.3	44.0	43.8	40.8	25.0	545
16.0	8.4	47.3	44.3	39.0	39.7	36.7	25.0	543
20.0	9.5	45.8	42.8	37.0	37.7	34.7	25.0	542
25.0	10.7	44.3	41.3	34.0	35.8	32.8	24.3	541
31.25	12.0	42.9	39.9	31.0	33.9	30.9	23.6	540
62.5	17.4	38.4	35.4	21.0	27.8	24.8	21.5	539
100.0	22.5	35.3	32.3	13.0	23.8	20.8	20.1	538
200.0	33.1	30.8	27.8	---	17.8	14.7	18.0	537
300.0	41.8	28.1	25.1	---	14.2	11.2	16.8	536
350.0	45.8	27.2	24.2	---	12.9	9.9	16.3	536

Form Revision Date: 04/04/2009



FOR IMMEDIATE SERVICE  
FAX YOUR ORDER  
**719-260-0075**

CALL TO PLACE YOUR ORDER TODAY  
**800-530-8998**  
MOST ORDERS SHIPPED WITHIN 48 HOURS