



## AIR CORE ALPETH CABLE BELL SYSTEM TYPE BH\*A AND BK\*A



Pairs/Gauge	Cable Code	Product Number Alum	Approx. Wgt. #/1000 Ft Alum	Nom. OD (Inches)	Length (Feet)
25/19	BHBA-25	7506967	317	0.77	5000
50/19	BHBA-50	7506975	582	1.02	3000
100/19	BHBA-100	7506983	1080	1.37	3000
200/19	BHBA-200	7506991	2087	1.86	1000
300/19	BHBA-300	7510506	3099	2.27	1000
25/22	BHAA-25	7506876	173	0.57	5000
50/22	BHAA-50	7506884	307	0.74	3000
100/22	BHAA-100	7506892	577	1.00	3000
200/22	BHAA-200	6968770	1086	1.36	3000
300/22	BHAA-300	7506900	1590	1.57	1000
400/22	BHAA-400	6968762	2101	1.82	1000
600/22	BHAA-600	6987275	3140	2.25	1000
900/22	BHAA-900	6937817	4648	2.72	700
25/24	BKMA-25	7506918	125	0.51	5000
50/24	BKMA-50	7506926	211	0.63	3000
100/24	BKMA-100	6937064	381	0.81	3000
200/24	BKMA-200	6964803	716	1.07	1000
300/24	BKMA-300	6964811	1037	1.27	1000
400/24	BKMA-400	6964795	1356	1.45	1000
600/24	BKMA-600	6964787	2037	1.78	1000
900/24	BKMA-900	6983381	2982	2.10	1000
1200/24	BKMA-1200	6937833	3962	2.43	1000
1500/24	BKMA-1500	7506777	4894	2.76	800
1800/24	BKMA-1800	6937841	5889	3.03	800
25/26	BKTA-25	7506934	95	0.43	5000
50/26	BKTA-50	7506942	146	0.52	3000
100/26	BKTA-100	7506959	257	0.69	3000
200/26	BKTA-200	6982037	476	0.92	2500
300/26	BKTA-300	6982029	681	1.04	1000
400/26	BKTA-400	7503485	886	1.20	1000
600/26	BKTA-600	6987218	1317	1.45	1000
900/26	BKTA-900	7508252	1934	1.74	1000
1200/26	BKTA-1200	6937858	2540	1.98	1000
1500/26	BKTA-1500	6937866	3155	2.22	1000
1800/26	BKTA-1800	7506785	3756	2.40	1000

Note: Larger sizes are available on special request

**Data subject to change without notice.  
Contact your Customer Service Representative for latest information.**



**CORE CONSTRUCTION**

<b>Conductors</b>
Solid annealed copper; sizes 19, 22, 24 and 26 AWG
<b>Insulation</b>
Solid, high density polyethylene, color-coded in accordance with telephone industry standards
<b>Twisted Pairs</b>
Insulated conductors are twisted into pairs with varying lay lengths to minimize crosstalk
<b>Core Assembly</b>
25 pairs and less; pairs are assembled together in a single group More than 25 pairs: pairs are arranged in groups, each group having a color-coded unit binder 1200 pairs and larger are mirror image color code.
<b>Core Wrap</b>
Non hygroscopic dielectric tape applied longitudinally with an overlap

**ALPETH SHEATH**

<b>Aluminum Shield</b>
Corrugated 0.008" Al tape applied longitudinally with an overlap
<b>Jacket</b>
Black, linear low density polyethylene

<p><b><u>APPLICATION(S)</u></b></p> <p>-Intended for aerial installation by attachment to a support strand</p> <p><b><u>COMPLIANCE</u></b></p> <p>-Telecordia (Bellcore) Specification GR-421-CORE -RoHS Compliant (effective 1/1/10)</p> <p><b><u>PACKAGING</u></b></p> <p>-Standard lengths are shipped on non-returnable wood reels -Non-standard packaging is available upon request.</p> <p><b><u>TEMPERATURE RATING</u></b></p> <p>-Storage and operation temperature range -45°C to 80°C-&gt; -49°F to 176°F -Installation temperature range -30°C to 60°C-&gt; -22°F to 140°F</p>
---

**ELECTRICAL CHARACTERISTICS**

	19 AWG	22 AWG	24 AWG	26 AWG
DC Conductor Resistance: [max.] Ohms/mile. @ 68°F				
Individual Conductor	45.0	91.0	144.0	232.0
DC Resistance Unbalance: [max.]				
Cable Average Percent	1.5	1.5	1.5	1.5
Individual Pair Percent	5.0	5.0	5.0	5.0
Attenuation at 772 kHz: [nom.] dB/kft	3.3	4.7	5.9	7.4
1 kHz Mutual Capacitance: [avg.]				
Average : Max	83 + 4/-5 nF/mile : 92 nF/mile			
1 kHz Capacitance Unbal. [max.] Pair-to-Pair:				
rms average: >12 pairs	25 pF/1000 Ft.			
individual	80 pF/1000 Ft.			
Capacitance: Unbal. Pair-to-Ground:				
Cable average: >13 pairs	175 pF/1000 Ft.			
Individual pair	800 pF/1000 Ft.			

All additional electrical and physical characteristics either meet or exceed those specified in Bellcore Specification GR-421-CORE

**Data subject to change without notice.  
Contact your Customer Service Representative for latest information.**

