



FIGURE 8 AIR CORE ALPETH CABLE BELL SYSTEM TYPE BH*S AND BK*S

Pairs/Gauge	Cable Code	Product Number Alum	Approx. Wgt. #/1000 Ft Alum	Nom. OD (Inches)	Length (Feet)
25/19	BHBS-25	7516461	477	0.89	5000
50/19	BHBS-50	7516479	746	1.20	2500
25/22	BHAS-25	7516487	342	0.71	5000
50/22	BHAS-50	7516495	480	0.89	5000
100/22	BHAS-100	7517261	748	1.20	2500
25/24	BKMS-25	7517279	287	0.64	5000
50/24	BKMS-50	7517287	380	0.77	5000
100/24	BKMS-100	7517303	556	0.97	5000
200/24	BKMS-200	7517329	884	1.20	2500
25/26	BKTS-25	7517337	255	0.57	5000
50/26	BKTS-50	7513286	314	0.67	5000
200/26	BKTS-200	7517360	639	1.10	5000
300/26	BKTS-300	7517378	844	1.20	5000



Note: Larger sizes are available on special request

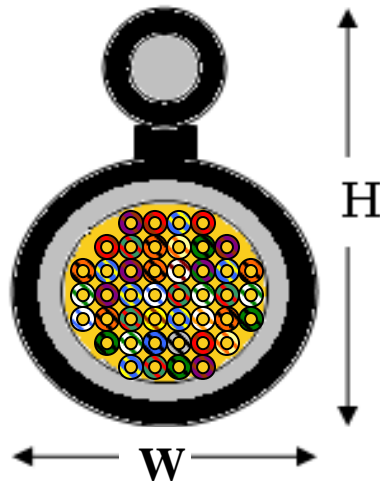


FIGURE 8 ALPETH SHEATH

Aluminum Shield
Corrugated 0.008" Al tape applied longitudinally with an overlap
Support Messenger
A 1/4", 7 strand, extra high strength galvanized steel wire, fully flooded for corrosion protection
Jacket
Black, linear low density polyethylene is jacketed in an integral extrusion with the shielded core and support messenger to form a "Figure 8" configuration

CORE CONSTRUCTION

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



Conductors
Solid annealed copper; sizes 19, 22, 24 & 26 AWG
Insulation
Solid, high density polyethylene, color-coded in accordance with telephone industry standards
Twisted Pairs
Insulated conductors are twisted into pairs with varying lay lengths to minimize crosstalk
Core Assembly
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
Core Wrap
Non hygroscopic dielectric tape applied longitudinally with an overlap

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

ELECTRICAL CHARACTERISTICS

	19 AWG	22 AWG	24 AWG	26 AWG
DC Conductor Resistance: [max.] Ohms/mile. @ 20°C				
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: [max. avg.] dB/Kft. @ 20°C	3.3	4.7	5.9	7.4
1 kHz Mutual Capacitance: [avg.]				
6 and 12 pairs: Max pair	83 +/- 7 nF/mile : 94 nF/mile			
Over 12 pairs : Max pair	83 + 4/- 5 nF/mile: 94 nF/mile			
1 kHz Capacitance Unbal. [max.] Pair-to-Pair:				
RMS average: >12 pair	25 pF/1000 Ft.			
Individual	80 pF/1000 Ft.			
Pair-to-Ground:				
Cable Average: >12 pairs	175 pF/1000 Ft.			
Individual Pair	800 pF/1000 Ft.			

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

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