



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

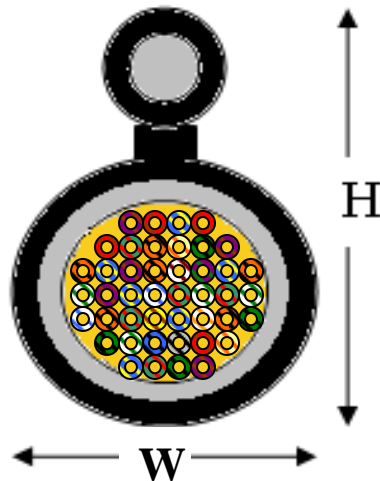


FIGURE 8 ALPETH SHEATH

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| 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.



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| 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 |

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| <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> |
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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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