

- MIL-Spec Air Frame, Shipboard, Ground (Tactical)

Features & Benefits

- Rugged Abrasion Resistant Jacket
- Excellent Shielding Effectiveness
- Fire Retardant (non-halogen)
- Light Weight
- Flexible for Ease of Deployment
- Excellent Connector Selection



- **Flexible:** With very tight minimum bend radius, LSSB cable can be easily routed into and through tight spaces. Ideal for tactical deployment and retrieval.
- **Excellent Loss:** LSSB has lower loss than other cables of the same size and is significantly less than the M17 spec requirement.
- **Fire Retardant:** A black UV resistant non-halogen Low Smoke - Fire Retardant cross-linked polyethylene jacket makes the cable rugged and resistant to the full range of military/defense environments. LSSB cables easily achieve FAR 25, NES-711, NES-713 compliance.

- **RF Shielding:** High coverage (>95%) braids, result in >40-60 dB RF shielding (>80 dB - 120 dB crosstalk) and excellent interference immunity (ingress and egress).
- **Connectors and Assemblies:** A full range of connector interfaces is available in crimp or clamp styles. Custom pre-terminated and tested assemblies with phase matching, insertion loss matching, and other special electrical or marking requirements can also be provided.

LSSB Shipboard Coaxial Cables

| TMS & M17 Number/inches (mm) | Conductor inches (mm) | Dielectric inches (mm) | Shields inches (kg/m) | Jacket lbs/foot Vp(%) | Weight ohms (pF/m) | Impedance pF/foot Cent. Cond | Capacitance Shield(s) kvrms | DC Resistance ohms/1000ft (mΩ) | Temp. Range | Test | | |
|------------------------------|----------------------------------|------------------------|--------------------------------|--------------------------|--------------------|------------------------------|-----------------------------|--------------------------------|---------------|------------|-----------------------|-----------------|
| LSSB-RG6 M17/180-00001 | CCS 0.0285 (0.72) | PE 0.185 (4.70) | 34 SC:34 BC 0.243 (6.17) | XLPE 0.332 (8.43) | 0.092 (0.137) | 75 +/- 3 65.9 | 20.6 (67.6) | 32.2 (105.6) | 1.1 (3.6) | 2.7 5.0 | -22 +176 (-30+80) | 3 GHz |
| LSSB-RG11 M17/181-00001 | TC 7/.0159 0.0477 (1.21) | PE 0.285 (7.24) | 33 BC 0.318 (8.08) | XLPE 0.405 (10.29) | 0.142 (0.212) | 75 +/-3 65.9 | 20.6 (67.6) | 6.1 (20.0) | 1.2 (3.9) | 5.0 | -22 +176 (30+80) | 3 GHz |
| LSSB-RG58 M17/183-00001 | TC 19/.0072 0.0355 (0.900) | PE 0.116 (2.95) | 36 BC 0.139 (3.53) | XLPE 0.195 (4.95) | 0.03 (0.045) | 50 +/-2 65.9 | 30.8 (101.1) | 10.9 (35.8) | 4.1 (13.5) | 1.9 | -22 +176 (-30 +80) | 0.05-1 GHz |
| LSSB-RG214 M17/190-00001 | SC 7/.0296 0.089 (2.26) | PE 0.285 (7.24) | 34 SC:34 SC 0.343 (8.71) | XLPE 0.425 (10.80) | 0.154 (0.229) | 50 +/-2 65.9 | 30.8 (101.1) | 1.7 (5.6) | 1.3 (4.3) | 5.0 | -22 +176 (-30 +80) | 0.05-11 GHz |
| LSSB-RG223 M17/194-00001 | SC 0.035 (0.889) | PE 0.116 (2.95) | 36 SC:36 SC 0.162 (4.11) | XLPE 0.212 (5.38) | 0.044 (0.066) | 50 +/-2 65.9 | 30.8 (101.1) | 8.2 (26.9) | 2.2 (7.2) | 1.9 | -22 +176 (-30 +80) | 0.05-2.5 GHz |

See M17 tables for additional sizes and armored versions
(800)-TMS-COAX • www.timesmicrowave.com • (203)-949-8400

- Interconnect (M17/180 -/200, /210-/218)
- Fire Retardant / Low Smoke (non-halogen)
- Flexible For Easy Deployment / Routing

