



TRX165-100 TRIAXIAL CABLE

TRIAxIAL, HIGH TEMPERATURE CABLE

EMTEQ's TRX165-100 is a 50 ohm cable used in systems that require optimum Electromagnetic Interference (EMI) protection. The TRX165-100 utilizes two shields to prevent EMI – the first is around the inner dielectric, and the second after a layer of cable jacket. These shields provide 100% coverage for your specific application. One of the more common applications is ADF. In an ADF application, both of the braided shields are grounded separately, which optimizes EMI protection for a sensitive ADF system. This cable is skydrol resistant, meets FAR Part 25 Appendix F burn testing, and is designed to MIL-C-17 specifications.



PHYSICAL AND ELECTRICAL PROPERTIES

| | |
|-------------------------------|--------------------------------------|
| Jacket: | Fluorinated ethylene propylene (FEP) |
| Outer Diameter (OD): | .164" (4.17mm) |
| Impedance: | 50 Ohms |
| Attenuation @ 100ft (30.48m): | 10.7dB @ 400MHz |
| Weight per 100ft (30.48m): | 3.4lbs (1.54kg) |
| Operating temperature: | -55°C to +200°C |

DESIGN PROPERTIES

- FAR part 25.869, appendix F, part I (a), (3) for burn
- Complies with MIL-C-17
- Skydrol resistant

CONNECTORS

Please contact EMTEQ for assembly options.

COAXIAL CABLE

EMTEQ proudly offers two families of coaxial cables including low smoke, zero halogen, aircraft grade polyethylene and high temperature polytetrafluoroethylene. These designs meet or exceed FAA and OEM requirements. For more information about our coaxial and specialty cable offerings, visit www.emteq.com or call your EMTEQ sales representative.



RF Coaxial Cables

VALUE-ADDED CAPABILITIES

ENSURING COMPREHENSIVE SOLUTIONS AND SUPPORT FOR YOUR PROGRAM'S SUCCESS.

- Project and program management including on-site engineering support
- On-site technical support, 24-hour AOG support, and installation services
- In-house FAA DER, DAR, DMIR, and PMA certification expertise; FAA consulting services including DER major alteration approval
- Product development, design, testing and analytical services
- FAA and EASA STC development and design data package development with FAA Partnership for Safety Plan and sales/local authority certification approval coordination
- FAA and EASA approved structural repair development
- Transport Canada Aeronautical Products Manufacturer and Maintenance Organization approvals and Transport Canada Design Approval Organization at ACS-NAI
- Subcontract manufacturing services to airframe manufacturers and maintenance organizations

QUALITY ASSURANCE

EMTEQ's global quality inspection programs comply with EN/JSIQ/AS9100:2004, ISO9001:2008, or EN9100:2003 standards, as well as airframe OEM standard compliance for the consistent production of high performance products. EMTEQ has an approved FAA/EASA Part 145 Repair Station in New Berlin and an EASA Part 145 Repair Station in Switzerland. EMTEQ's New Berlin office is an FAA/PMA approved manufacturing facility. Additionally, we provide first article inspection, customer drawing log and revision control, as well as warehousing and lot control of customer supplied parts.

CONTACT US TODAY TO DISCUSS HOW WE CAN SUPPORT YOUR SPECIFIC NEEDS.

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