

# TRX165-100 Triaxial cable



## Triaxial, High-temperature cable

Rockwell Collins' 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	Diameter	Impedance	Attenuation at 100 ft. (30.48 m)	Weight at 100 ft. (30.48 m)	Operating temperature
Fluorinated ethylene propylene (FEP)	.164" (4.17 mm)	50 ohms	13.5 dB @ 400 MHz	3.4 lbs. (1.54 kg)	-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 AND TOOLING

Please contact Rockwell Collins for assembly options.

All values nominal.

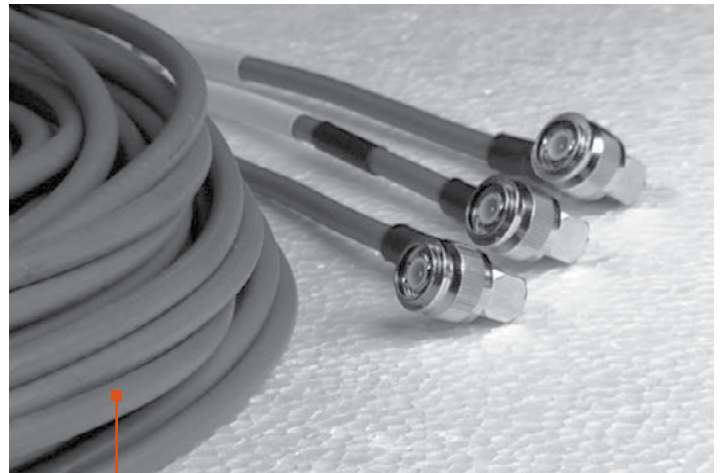
# Coaxial cable

Rockwell Collins 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 [rockwellcollins.com](http://rockwellcollins.com) or call your Rockwell Collins sales representative.

## 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



RF coaxial cables

## QUALITY ASSURANCE

Rockwell Collins' 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. We have an approved FAA/EASA Part 145 Repair Station in New Berlin, Wisconsin and an EASA Part 145 Repair Station in Switzerland. Our 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.*

## Building trust every day.

Rockwell Collins delivers innovative aviation and high-integrity solutions that transform commercial and government customers' futures worldwide. Backed by a global network of service and support, we are deeply committed to putting our solutions to work for you, whenever and wherever you need us. In this way, working together, we build trust. Every day.

## For more information, contact:

Rockwell Collins New Berlin  
New Berlin, WI 53151 USA  
ph: +1.262.679.6170

[rockwellcollins.com](http://rockwellcollins.com)