



## PLENUM RATED COAXIAL CABLE

**TL-097010**

### TL-097010 HIGH-EFFICIENCY LOW-TEMPERATURE PLENUM CABLE

The TL-097010 plenum cable has superior low-loss electrical performance, high UV stability, and exceptional all climate toughness in a single plenum rated product. The lead-free off-white PVDF outer jacket resists scuffs, cracks, aging, burning sun, freezing cold, and rough handling to keep your installation working and looking good. Shielding is 100% with adhered foil plus the added mechanical strength of 90% tinned copper braid. Foam FEP dielectric combines the high melting point of Teflon with the low dissipation loss of a premium microwave grade RG-58 cable. When the installation calls for all-weather performance plus plenum rated protection, TL-097010 is the way to go. TL-097010 is available in 1000 Ft. (305m) spools.

#### SPECIFICATION

Impedance	50 ± 2.0 ohms
Velocity of propagation	80%
Center conductor	Solid copper, 0.037" ± 0.007"
Shield #1	Foil, aluminum/poly tape (adhered to dielectric)
Shield #2	Braid, 90% 36-AWG tin/copper
Outer jacket	Plenum PVDF, off-white, lead-free
Outer diameter	0.178"
Plenum rating	CMP(ETL)C(ETL), RoHS compliant*
Attenuation dB/100'	12.5 dB @ 900 MHz 23.6 dB @ 2.5 GHz 27.5 dB @ 4.0 GHz 35.0 dB @ 6.0 GHz
Installation temperature	-20°C to +65°C
Operating temperature	-30°C to +65°C

\*DIR 2002/95/EC

---

## TE TECHNICAL SUPPORT CENTER

USA:	+1 (800) 522-6752
Canada:	+1 (905) 475-6222
Mexico:	+52 (0) 55-1106-0800
Latin/S. America:	+54 (0) 11-4733-2200
Germany:	+49 (0) 6251-133-1999
UK:	+44 (0) 800-267666
France:	+33 (0) 1-3420-8686
Netherlands:	+31 (0) 73-6246-999
China:	+86 (0) 400-820-6015

## te.com

TE, and TE connectivity (logo) are trademarks owned or licensed by the TE Connectivity Ltd. family of companies. All other logos, products and/or company names referred to herein might be trademarks of their respective owners.

The information given herein, including drawings, illustrations and schematics which are intended for illustration purposes only, is believed to be reliable. However, TE Connectivity makes no warranties as to its accuracy or completeness and disclaims any liability in connection with its use. TE Connectivity's obligations shall only be as set forth in TE Connectivity's Standard Terms and Conditions of Sale for this product and in no case will TE Connectivity be liable for any incidental, indirect or consequential damages arising out of the sale, resale, use or misuse of the product. Users of TE Connectivity products should make their own evaluation to determine the suitability of each such product for the specific application.

TE Connectivity warrants to the original end user customer of its products that its products are free from defects in material and workmanship. Subject to conditions and limitations TE Connectivity will, at its option, either repair or replace any part of its products that prove defective because of improper workmanship or materials. This limited warranty is in force for the useful lifetime of the original end product into which the TE Connectivity product is installed. Useful lifetime of the original end product may vary but is not warranted to exceed one (1) year from the original date of the end product purchase.

©2022 TE Connectivity. All Rights Reserved.

08/22 Original