



TransPowr® T-2® OVERHEAD  
CONDUCTOR PRODUCTS

# TransPowr®

BICC® Brand TransPowr® T-2®

>Motion-Resistant,  
Twisted Pair Conductor  
Giving Unwavering  
Performance

>Put TransPowr® T-2® conductors to  
work in your transmission and  
distribution system.

## Why Choose General Cable TransPowr® T-2®?

- > Dependable and steadfast supplier of transmission and distribution T-2®, with over 30 years of manufacturing and installation experience
- > Largest supplier of T-2® to more than 60 public power utilities, municipalities, investor-owned utilities and transmission operators, in excess of 150 million feet over the past 10 years
- > Meeting customers' needs and saving installation costs by providing optimized reel lengths
- > Unequaled technical support by industry-recognized engineering staff available to assist with T-2® design selection, project planning and installation assistance

>If wind-induced line movement  
is a problem, TransPowr® T-2®  
overhead conductors may be  
the solution.



**Lower AC resistance makes it more efficient.**

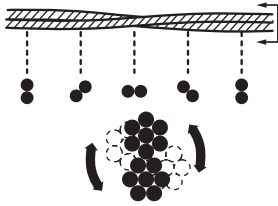
The lower operating temperature of the TransPowr® T-2® conductor as compared with the equivalent standard round conductor means the TransPowr® T-2® will have a lower resistance. The lower resistance and temperature provide operating cost efficiency and additional benefits of less sag, less strength loss, and reduced creep.

Many engineers are already specifying TransPowr® T-2® conductors – all for the same reason: They save money.

- > With a twisted two-conductor design, TransPowr® T-2® conductors work at solving three major transmission and distribution operating problems: galloping, aeolian vibration, and sub-conductor oscillation.
- > Reliable, long-lasting TransPowr® T-2® conductors have lower operating, maintenance and inspection costs than conventional conductors.
- > TransPowr® T-2® conductors reduce costs for construction, accessories and right-of-way acquisition.
- > TransPowr® T-2® conductors greatly reduce repair costs and lost revenue from downed power lines resulting from ice build-up and galloping.
- > Installing TransPowr® T-2® conductors can save you a lot of headaches – strand breakage and support hardware failure. TransPowr® T-2® conductors can also save you money in day-to-day operating costs.

**The difference is dynamic design.**

The key to the TransPowr® T-2® conductor's remarkable performance and long life is in its unique, intelligent design. TransPowr® T-2® conductors are actually two standard, round conductors twisted around each other at 9-foot intervals. This design effectively resists wind-induced motion in two ways. First, the constantly varying diameter drastically inhibits resonant vibration in the line. Second, the low torsional stiffness of the twist absorbs and dissipates motion-causing wind forces to ineffective energy levels.



**Same methods of installation.**

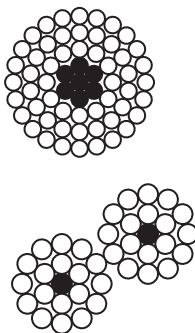
TransPowr® T-2® conductors can be installed with the same methods and equipment used for round conductors. Accessories are readily available catalog items. Contractors who have installed TransPowr® T-2® conductors say that, when properly set up, installation costs are comparable to those of standard round conductors. An installation guide is available.

**Reduces aeolian vibration & increases service life.**

Aeolian vibration – low frequency (5-50 Hz) vibration produced at relatively low wind speeds blowing across the conductor – can cause fatigue-flexing damage to the conductor. It is a serious threat to conductor service life. TransPowr® T-2® is a proven solution to this problem.

**Large surface areas keep operations cool.**

The shape of the TransPowr® T-2® conductor offers an important engineering advantage. Because of its "figure 8" profile, there is a larger surface area. This provides greater dissipation of heat than standard round conductors of equal aluminum circular mil area. For a given current load, the TransPowr® T-2® conductor has a lower operating temperature than a round conductor.



**>Start saving today.**

To find out more about how T-2® conductors can increase the performance and profitability of your transmission and distribution system, all you have to do is contact your nearest General Cable sales representative. We're ready to work with you to provide an analysis of your conductor needs and a custom solution.



4 Tesseneer Drive • Highland Heights, KY 41076  
800.237.2726 • 859.572.8000 • 859.572.8072 fax  
www.generalcable.com

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Form No. UTY-0003-R0410