

# SmartWrap™ Bundled Cable

Multiple Cable Types Depending On Application Up to 6 Cables / Jacketed and Unjacketed

## Product Construction:

### Fiber:

- Multimode or singlemode fibers with easily strippable 900µm tight buffering colored per TIA/EIA 598
- Cabled with aramid yarn strength member and jacketed to meet appropriate standards

### Coax:

- Quad shield RG6 coax with copper-clad steel center conductor, either foamed PE (riser) or FEP (plenum) dielectric and overall PVC jacket

### Twisted Pair:

- Unshielded or shielded twisted pair that meets or exceeds all TIA/EIA 568 B-2 standards for Carol® Brand Cat 5e

### Binder:

- Helically wound polyester binder

### Overall Jacket (Optional):

- Riser-rated versions use a flame-retardant PVC

### Applications:

- SmartWrap™ cables are several different cables available with either helical binding or overall jacketing to allow simultaneous pulling of multiple cables. Configurations include combinations of Cat 5e UTP or ScTP, RG6 video/data quad shield coax and optical fiber cables. Plenum and riser versions available

### Features:

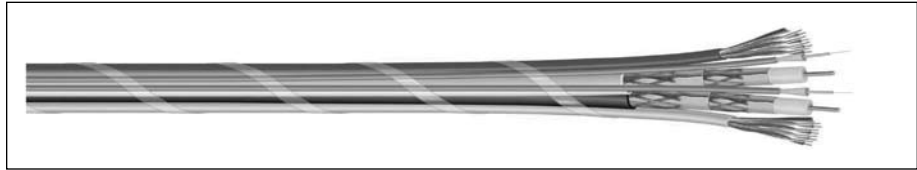
- Many cables can be pulled at once—faster installation
- TIA/EIA 568 B-2 Crosstalk-compliant
- Simplifies cable management
- Excellent for residential applications

### Compliances:

- NEC Article 800 CMR, CSA FT-4 riser
- NEC Article 800 CMP, CSA FT-6 plenum

### Packaging:

- Please contact Customer Service for packaging and color options



CATALOG NUMBER	SAFETY RATING	BINDING OR JACKET	CONSTRUCTION
710021	Riser	Binding	4 Carol® Brand Cat 5e UTP
810021	Plenum	Binding	4 Carol® Brand Cat 5e UTP
710022	Riser	Binding	6 Carol® Brand Cat 5e UTP
810022	Plenum	Binding	6 Carol® Brand Cat 5e UTP
710023	Riser	Binding	4 Carol® Brand Cat 5e ScTP
810023	Plenum	Binding	4 Carol® Brand Cat 5e ScTP
710024	Riser	Binding	6 Carol® Brand Cat 5e ScTP
810024	Plenum	Binding	6 Carol® Brand Cat 5e ScTP
710010	Riser	Jacket	2 Carol® Brand Cat 5e UTP and 2 RG6 Quad Smart Home coax
710011	Riser	Jacket	2 Carol® Brand Cat 5e UTP, 2 RG6 Quad Smart Home coax and 2 simplex multimode fiber cables
710017	Riser	Binding	2 Carol® Brand Cat 5e UTP and 2 RG6 Quad Smart Home coax
710018	Riser	Binding	2 Carol® Brand Cat 5e UTP, 2 RG6 Quad Smart Home coax and 2 simplex multimode fiber cables

The above listings are for stock cables. Custom configurations are available. Information is subject to change without notice. Consult Customer Service for a variety of alternate constructions for specific applications.

## DATA TRANSMISSION PERFORMANCE FOR CAT 5E CABLES

FREQUENCY (MHZ)	INSERTION LOSS TYPICAL • MAX* (dB/100m)	NEXT TYPICAL • MIN* (dB)	PSNEXT TYPICAL • MIN* (dB)	ACR TYPICAL • MIN* (dB/100m)	PSACR TYPICAL • MIN* (dB/100m)	ELFEXT TYPICAL • MIN* (dB/100m)	PSNEXT TYPICAL • MIN* (dB/100m)	RETURN LOSS MIN (dB)
1	19.3 • 22.0	51.9 • 35.3	43.8 • 32.3	32.6 • 13.3	24.5 • 10.3	43.7 • 23.8	38.8 • 20.8	20.1

\*Max/min measurements match TIA/EIA 568 B-2 standards

## ELECTRICAL CHARACTERISTICS FOR CAT 5E CABLES

DC Resistance	≤9.38 Ohms/100 Meters • 28.6 Ohms/1000 Feet	Input Impedance	100 Ohms ± 15% @ 1 - 100 MHz
DCR Unbalanced	≤5%	Propagation Delay (Skew)	45 nanoseconds/100 meters max
Mutual Capacitance	≤55.8 pF/m • 17 pF/ft	Velocity of Propagation	72% plenum/69% riser

## ELECTRICAL CHARACTERISTICS FOR RG6 CABLES

Capacitance	≤53.2 pF/m • 16.2 pF/ft	Attenuation (dB/100 ft)	0.21@ 1 MHz • 6.04 dB @ 1000MHz
Characteristic Impedance	75 Ohms	Velocity of Propagation	83% riser