



In-Building Solutions

Wired for Wireless™ Solution

Applications:

- Corporate Offices and Campuses
- Hospitals
- Universities
- Multi-tenant High-Rise Office Buildings
- Hotels and Casinos
- Local Government Buildings
- Federal Government Buildings

CommScope's Wired for Wireless™ Solution is a carrier-neutral structured infrastructure solution that enables mobile communications inside buildings **eliminating dead zones and spotty coverage**. The Wired for Wireless Solution's unique structured design makes wireless coverage inside buildings **dramatically more affordable by simplifying installation and eliminating the need for costly site surveys and custom network designs**. The solution's design includes coaxial cables, connectors, antennas and cable management apparatus connected together in such a way as to provide a blanket of wireless coverage throughout an entire building. Designed with your future in mind, the Wired for Wireless Solution will help you meet your evolving indoor wireless needs for years to come. Backed by CommScope's 20 Year Product Warranty when installed by a trained CommScope BusinessPartner, the Wired for Wireless Solution has your wireless future covered.



Wired for Wireless™ Solution Components



Wired for Wireless
eliminates dead zones
and spotty coverage.

High performance indoor antennas, coaxial cables, connectors, and cable management apparatus ensure that the Wired for Wireless Solution delivers a cost and performance optimized platform that is ready for carrier-neutral and uniform wireless coverage in Enterprise buildings.

Wired for Wireless™ Antennas

The Wired for Wireless Solution includes two multi-band indoor antennas from the Andrew Cell-Max™ family. Cell-Max™ antennas feature a multiband design that allows a wide range of frequencies to be transmitted and received by a single, small antenna. Designed for ease of installation and minimal visual impact, these compact and unobtrusive antennas include a built-in low loss coaxial pigtail with N-type female connectors.

Cell-Max™ Omnidirectional Antenna

The CELLMAX-O-CPUSE antenna is a ceiling mounted omnidirectional indoor antenna designed for the 698-960 MHz and 1710-2700 MHz frequency ranges. It supports all modulation formats and technology including, Analog, iDEN, GSM, GPRS, EDGE, UMTS, HSDPA, HSUPA, LTE, CDMA2000, EV-DO, Wi-Fi, Wi-Max and many more.



Cell-Max™ Directional Antenna

The CELLMAX-O-CPUSE antenna is a ceiling mounted omnidirectional indoor antenna designed for the 698-960 MHz and 1710-2700 MHz frequency ranges. It supports all modulation formats and technology including, Analog, iDEN, GSM, GPRS, EDGE, UMTS, HSDPA, HSUPA, LTE, CDMA2000, EV-DO, Wi-Fi, Wi-Max and many more.

ORDERING INFORMATION:

Product Number	Description
CELLMAX-D-CPUSE	Directional In-Building Antenna, 698-960 MHz, 1710-2700 MHz
CELLMAX-O-CPUSE	Omnidirectional In-Building Antenna, 698-960 MHz and 1710-2700 MHz

Wired for Wireless™ Cables and Connectors



CommScope's Wired for Wireless Solution includes two high performance 1/2 inch 50 ohm coaxial cables from the Andrew HELIAX® cable family, and N-type male coaxial connectors designed to match each cable. The Low Smoke Zero Halogen FXL-540-NHR and the Plenum AL4RPV-50 cables, and their matching connectors, provide optimal options for horizontal, riser rated and plenum applications.

Dramatically more affordable by simplifying installation and eliminating the need for costly site surveys and custom network designs.

Low Smoke Zero Halogen FXL-540-NHR HELIAX® Cable and EZFit® 540EZNMV2 Connector

FXL-540-NHR HeliAx® cable

The FXL-540-NHR cable is a flexible 1/2 inch 50 ohm coaxial cable, with a black PE jacket, a smoothwall aluminum outer conductor, foam PE dielectric and a copper clad aluminum inner conductor. With its light-weight and cost effective construction, the FXL-540-NHR cable is easy to install and delivers excellent transmission performance.



EZFit® Connector for FXL-540-NHR cable

The 540EZNMV2 EZFit® connector is a high performance N-type male connector that is a perfect match for the FXL-540-NHR cable. The 540EZNMV2 is a small and lightweight two-piece connector designed for easy installation and optimal electrical performance. High precision cable preparation and 540EZNMV2 connector attachment is achieved with the 12-HPT EZFit hand prep tool or the 540-EZPT EZFit drill prep tool.



LOW SMOKE ZERO HALOGEN FXL-540-NHR HELIAX® CABLE, EZFIT® 540EZNMV2 CONNECTOR AND EZFIT® TOOLS

Product Number	Description
FXL-540-NHR	FXL-540, HELIAX® Flexible Coaxial Cable, smooth wall aluminium, 1/2 inch, black non-halogenated, fire retardant, riser rated polyolefin jacket
540EZNMV2	Type N Male EZfit® for 1/2 inch FXL-540 cable
540-EZPT	EZfit® Automated Cable Preparation Tool for FXL-540 coaxial cable
TW-12-EZFC	Torque Wrench for 1/2 inch EZfit® connectors, 20 mm
TW-12-EZV2	Torque Wrench for 1/2 inch EZfit® connectors, 20 mm

Plenum Rated HELIAX® AL4RPV-50 Cable and L4TNM-PSA Positive Stop™ Connector



Wired for Wireless Solution will help you meet your evolving indoor wireless needs for years to come.

AL4RPV-50 Heliax® cable

The AL4RPV-50 cable is a flexible 1/2 inch 50 ohm plenum rated coaxial cable, with an off-white PVC jacket, a corrugated aluminum outer conductor, a PE Spline air dielectric and a copper clad aluminum inner conductor. With its light-weight and cost effective construction, AL4RPV-50 cable is easy to install and delivers excellent transmission performance.



Positive Stop™ Connector for AL4RPV-50 cable

The L4TNM-PSA Positive Stop™ connector is a high performance N-Type male connector that is the perfect match for the AL4RPV-50 cable. The L4TNM-PSA Positive Stop™ connector is a small and lightweight connector designed for ease of installation and optimal electrical performance. The L4TNM-PSA connector can be installed with standard tools. Cable preparation for L4TNM-PSA connector attachment can be achieved with the drill-assisted EASIAx® Plus CTP-12U automated cable prep tool.

PLENUM RATED HELIAX® AL4RPV-50 CABLE, L4TNM-PSA POSITIVE STOP™ CONNECTOR AND POSITIVE STOP™ TOOLS

Product Number	Description
AL4RPV-50	AL4RPV-50, HELIAX® Plenum Rated Air Dielectric Coaxial Cable, corrugated aluminum, 1/2 inch, Off-White PVC Jacket
L4TNM-PSA	Type N Male Positive Stop™ for 1.2 inch AL4RPV-50, LDF4-50A cable
CPT-12U	EASIAx Plus® Automated Cable Preparation Tool for 1/2 inch coaxial cable

Wired for Wireless Wall Organizer

The Wired for Wireless Wall Organizer is designed to secure the terminated FXL-540-NHR or AL4RPV-50 1/2 inch coaxial cables in a telecommunications room wall, and provides mounting positions for the 2-way and/or 4-way splitters that will be required to split the active equipment signal to the various antennas. A single Wall Organizer can secure up to eight terminated FXL-540-NHR or AL4RPV-50 coaxial cables. Additional Wall Organizers may be installed side by side to secure up to eight additional cables per organizer.



Product Number	Description
760138610	Wired for Wireless Wall Organizer



www.commscope.com

Visit our Web site or contact your local CommScope representative for more information.

© 2011 CommScope, Inc. All rights reserved.

All trademarks identified by ® or ™ are registered trademarks or trademarks, respectively, of CommScope, Inc.

This document is for planning purposes only and is not intended to modify or supplement any specifications or warranties relating to CommScope products or services.

04/11