



Broadband

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in this issue: Power in the Networks
Fixed Wireless Access
Encryption and Security
and much more....



Cabling and connectivity solutions



The proliferation of 4K ultra high-definition broadcasting and the promise of 8K resolution coming soon are increasing demand for broadcasters to move to high-bandwidth fibre optic cabling solutions. To meet those demands, Optical Cable Corporation (OCC) is introducing a new line of SMPTE cables and enclosures that are designed to address a wide variety of user needs.

“Some applications require cable capable of exceptional flexibility, hybrid fibre-and-copper configuration, or have varying requirements for flame retardancy,” explained Scott Fitzgerald, OCC senior engineer. “This family of SMPTE cable offerings is engineered to handle virtually any application requirement.”

Among these high-bandwidth, low-signal-loss cable designs are highly flexible cables that enable quick and frequent camera movement, riser/plenum versions for permanent installations and 3-in-1 SMPTE compatible cables to transport the signals from three cameras in one location with only a single cable run.

The new OCC line also includes a selection of modular enclosures specifically designed for SMPTE 304 or other commonly used broadcast connections. These designs include full fibre management and integrated splicing capabilities. Models support up to eight ports on the front and back, as well as the ability to accommodate the three-channel stadium cable. All are designed to be mounted in standard 19-inch racks without requiring extra space above or below.

“These enclosures offer a simplified, scalable solution to many broadcast applications including shallow broadcast connection enclosures (JBT, JBE, JBP),” said Fitzgerald. “The metal construction also provides a rigid and durable alternative to the enclosures that are commonly available.”

Mobile production trucks, with repeating deploy-and-retrieve operations for sporting events, require a ruggedised tactical cable that will last. OCC recently introduced migration control technology to address the migration challenge experienced in the broadcast industry, resulting in extended life of the assemblies and reducing repair costs.

For more information, see www.occfiber.com