ODVA-compliant connectors designed for harsh environment applications

CONEC has developed rugged ODVA-compliant connectors specifically for harsh environment applications, such as WiMax, Long Term Evolution (LTE), and Remote Radio Heads using Fiber To The Antenna (FTTA) connectivity, which require rugged connector and cable assemblies suitable for outdoor use. Designated the LC Series, CONEC offers the broadest ODVA-compliant fiber-optic connector portfolio in the industry, providing both full-metal and plastic versions of the IP67-rated interconnects. CONEC's extensive ODVA-compliant product portfolio gives customers design flexibility, and ensures that FTTA systems meet telecommunication industry standards as well as harsh environment requirements. In addition, CONEC can provide cable and plug kit assembly services to deliver a complete FTTA system interconnect solution.

The water-resistant LC Series connectors provide increased protection from contamination and moisture in addition to mechanical stability, temperature resistance and vibration immunity. The connectors use OFNR (optical fiber nonconductive riser) breakout cables rated for outdoor usage and/or direct burial. The IP67-rated LC Series connectors feature a 1/6th turn bayonet coupling for a fast and secure mate/unmate, even with gloved hands. The compact LC Series connectors are also compatible with industry standard cables and interconnect products.

"CONEC has expanded its product offering to meet FTTA system requirements for fiber-optic connectors that provide high-speed data transmission in a rugged universal housing. The reliable ODVA universal housings, combined with our value-added assembly services, provide complete connector solutions with shorter lead times and time-to-market for our customers," said Peter Persico, technical support specialist at CONEC.

CONEC offers connectivity solutions for single-mode, multi-mode and APC requirements.

To optimize chemical resistance, UV resistance and tolerance to physical abuse, CONEC offers these connectors in two different housing materials: black plastic and nickel-plated, zinc die-cast.

The product line includes panel-mounted receptacles, mating plugs, and protective caps. Pre-terminated jumper cables, including cables suitable for outdoor use and direct burial in standard lengths from 1 meter to 100 meters, are also included. Custom lengths are also available.

The IP67-rated LC Series connectors ensure a continuously secure connection and are dustproof and weatherproof, with a silicone ring seal that makes a watertight connection to the panel.

The LC Series duplex connectors are available from $20.00 in OEM quantities, with a lead time of stock to four weeks.

For more information, visit www.conec.com [1]

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