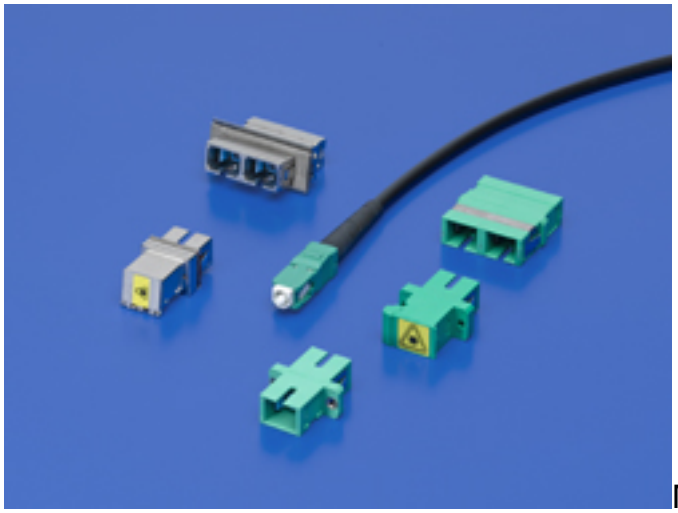
Connector and Cable Assemblies Optimize Signal Transmission in Harsh Environments



Molex Incorporated SC/APC indoor- and outdoor- rated cable assemblies and SC/APC 4.80-mm connectors help customers and system integrators meet datacom and telecom design challenges, including adherence to industry standards and compatibility with standard cable sizes and fiber types. Designed for “Fiber to the x” (FTTx) and industrial applications, Molex SC/APC connector assemblies offer up to a 5.00-mm bend radius and deliver a high-performance optical return loss of -60 dB, appropriate for transmitting large quantities of data and video signals. All Molex SC/APC versions use pre-radius precision ceramic ferrules and a one-piece body design that provide quick and economical terminations both in the factory and in the field. The pre-polished ceramic ferrules minimize polishing time and maintain end-face geometry. The SC connectors provide a push-pull coupling mechanism tested to the most rigorous industry standards.

A variety of simplex and duplex mating SC adapters are available. These include snap- or screw- mount installation, as well as optional adapter shutters. The adapters are equipped with a spring-loaded shutter which automatically closes when a connector is removed from the adapter to shield against exposure to laser radiation and dust contamination. EMI Shielded SC adapters are also available for applications where EMI or RFI emissions are a concern.

Molex Incorporated
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[1] http://www.molex.com