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systems because of their dielectric nature and their large
information?carrying capacity. Network architectures using

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multiple wavelength channels per optical fiber are utilized in local, metropolitan, or wide-area applications to connect thousands of users having a wide range of transmission capacities and speeds.

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FIBER-OPTIC COMMUNICATION SYSTEMS

[1] Instruments for distributed fiber-optic measurement of temperature are now available with temperature resolution of 0.01°C and spatial resolution of 1 m with temporal resolution of fractions of a minute along standard fiber-optic cables used for

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