

高速車載光LANの開発

Development of Automotive High-Speed Optical LAN

車の将来像 Future vehicle

- ①環境にやさしい車の普及
低燃費車、ハイブリットカー、電気自動車の拡充
 - ②事故ゼロを目指す各種安全機能の充実・高度化
カメラや各種センサの高機能化、連携強化
 - ③快適装備の充実
モータ/アクチュエータを使った制御の増加
AVシステムの高機能化・高精細化
 - ④モバイルガジェットやインフラとの自由な接続、連携
- ①Spread of "Green Vehicle"
Fuel efficient vehicle, HV, EV
 - ②Advanced features of safety function
High performance and cooperation of camera
 - ③Expand of the comfortable equipments
Increase of the control using a motor and an actuator
Multifunction and high definition of the Audio visual system
 - ④Free connectivity and cooperation with
"Mobile gadget", infrastructure and so on

車載LANのニーズ Future of automotive LAN

- ①通信性能の向上(高速化、耐ノイズ性)
- ①Improvement in communication performance
- ②車環境への適合性向上(軽量化、小型/省線化、取扱い性)
- ②Improvement in conformity to vehicle environment

高速車載光LANの特徴 Features of automotive high-speed optical LAN

- ①高速通信をノイズフリーで実現(ギガビット通信)
- ①High speed data transmission and noise free
- ②車載初の「細くて軽いAGF*ケーブル」の適用(*All Glass Fiber)
- ②The first proposal for "All Glass Fiber cable for automobile"

適用例 Applications

