

Fire Resistant Data Transmission Cables

Teldor's Fire Resistant Data Cables are designed and produced to secure continued high-speed data transfer, operation and circuit integrity for mission critical applications; protecting and controlling events while ensuring safety and data protection as a top priority.

Teldor's unique cable designs maintain outstanding high performance securing high-speed data transfer under fire conditions including high temperatures resistance up to 750°C/930°C for up to 3 hours.

Teldor cables enable users operating advanced systems to evaluate conditions in the afflicted area in real time thus take informed corrective actions to remedy the situation.

Above and beyond the basic capability to continue and commanding equipment during short circuit events, at times suggest to either systems under direct impact and / or water jets, Teldor guarantees performance and safety ensuring secure and orderly shutdown procedures while safeguarding data transfer under extreme conditions.

The cables are designed for installations in civil infrastructure as well as marine oil and gas applications, complying with directives for installations in corrosive, hazardous or explosive environments.

Teldor's proven performance is certified and accredited by 3rd party laboratories and accreditation associations.

Teldor cables undergo rigorous testing procedures meeting IEC 60331-23: requirements; provide high speed data transfer as well as circuit integrity for durations of 30, 60, 90 or 180 minutes.

Teldor guarantees transmission capability for all our "category" cables.

Test procedures

Flame Propagation and Fire Resistance

Typical transmission performance under fire per IEC 60331-23 for a duration of 90 minutes + 15 minutes cooling time*

Cable	Typical transmission application
Cat5, 5e, 6, 6A, 7, 7A	100BASE-T
Category 3	10BASE-T
IEC 61156-7 (1200 MHz)	100BASE-T

*The requirements of IEC 60331-23 for no breakage / short circuit between the conductors are met.

The transmission performance of the cables are tested using the "IEC 60331 chamber with burner and all other conditions" as described in the standard for a duration of 90 minutes while the cables are terminated with jacks and connected with patch cords, over various channel lengths as well as various cable lengths exposed to fire.

Teldor's in-house laboratories perform flammability tests, ensuring consistent product quality. Our laboratories are accredited and ISO 9001 certified by various 3rd party international laboratories ensuring and maintaining our outstanding product quality and safety records.

Teldor's innovative R&D continues to lead the way with innovation, technological progress and first class quality, extensive product improvements, insulation capacities, wider temperature range, longer lifespan, smaller diameters, as well as simpler and hassle-free installations. We proudly serve our customers with years of proven performance enabling smooth operations in thousands of installations supporting leading global customers.

