



כנס יועצי מערכות תקשורת

22-24 אוקטובר - מלון דניאל ים המלח

Tuvia Liberman
CTO Teldor Cables & Systems Ltd.

- SII – 212, 802 (chair)
- IEC – SC 86A (HoD), SC86A/WG1, SC86A/WG3
- ISO/IEC – JTC1/SC25 (HoD), WG3
- Liaison Officer

תקינה וכבילה למערכות אופטיות - היום ומחר

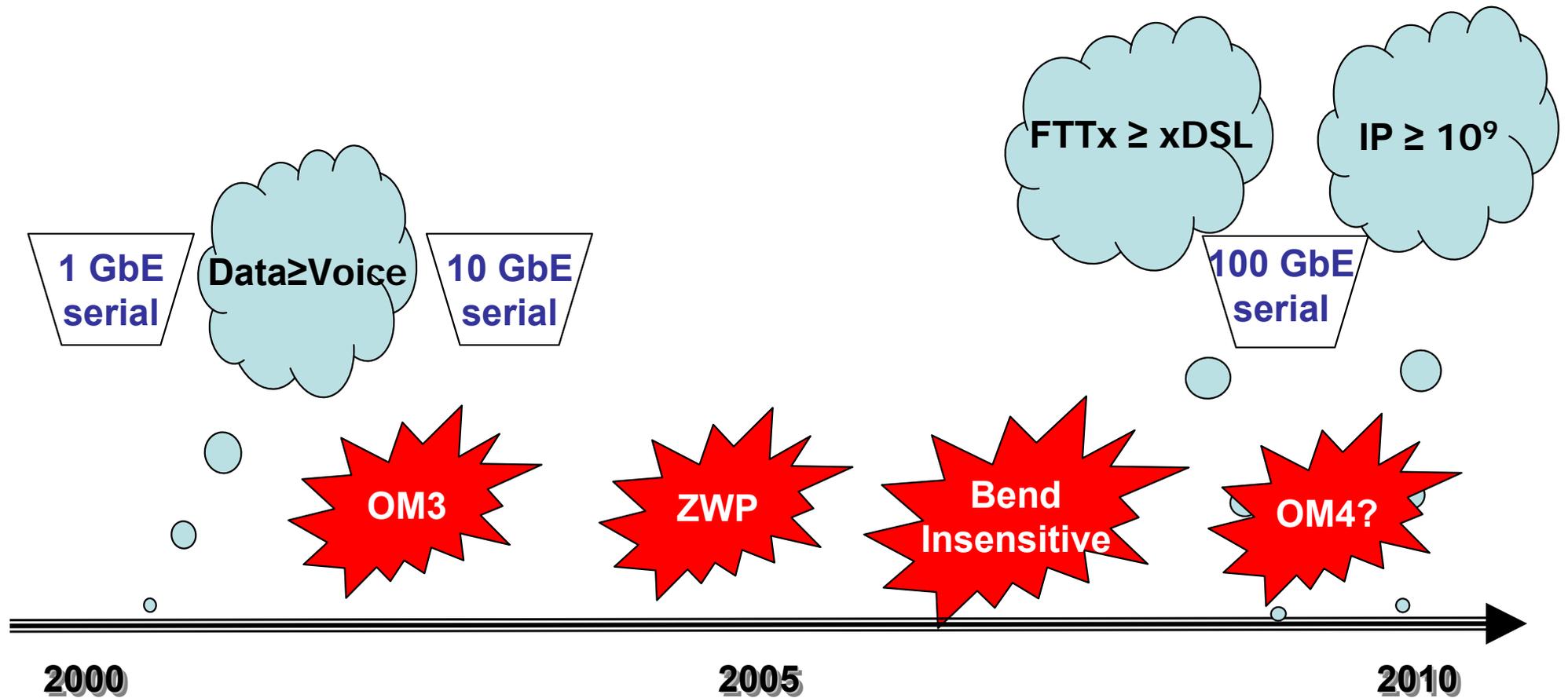


3 Forecasting Sources for Wire & Cable: Technology, Business and Standards

- ✦ Constant interaction and dynamic flux
- ✦ Uncertainty greatly reduced by cross-analysis
- ✦ Must be willing to invest resources in all 3
- ✦ Data > Information > Knowledge > Decision-Making > Profit
- ✦ Teldor – strategically positioned to update and react



Some Noteworthy Milestones



Influential Advances in Technology

- Nanotechnology: fibers, compounds
- Miniaturization: cables, connectors, MEMS
- Optics: FEC, DWDM spacing, disp. comp
- Highest concentration of R&D/IP in “Last Mile”
- POF

In the Business Environment



- Flat, survival mode, very little M&A activity
- Greatest amount of activity in Last Mile
- Governmental initiatives – Residential/FTTH
- Business Development models – price driven at low end, “future-proof” at high end

The ***HOT*** Issues in International Standards



Where is all the action?

An Overview of International FO Standards Organizations

Applications



Cabling Systems



Components



Applications

• 40/100 GbE

(Data Centers/SANs)

• FCoE (Fiber Channel Over Ethernet)

(Data Centers/SANs)

• xPON

(FTTH/Access Networks)



Cabling Systems

↳ Data Centers

(ISO/IEC 24764)

↳ Residential

(ISO/IEC 15018)

↳ Industrial Premises

(ISO/IEC 24702)

↳ Premises Cabling Test Standard

(ISO/IEC 14763-3)



Components

➤ **Bend Insensitive SM Fibers** (for FTTH)

(ITU-T G.657a/b/c, IEC 60793-2-50 B.6)



➤ **OM4 MM Fibers** (for Data Centers)

(IEC 60793-2-10)

➤ **Bend Insensitive MM Fibers** (for FTTH)

(IEC 60793-2-10)

➤ **Cables for Blown Installation** (for Last Mile)

(IEC 60794-5-10)

Analysis

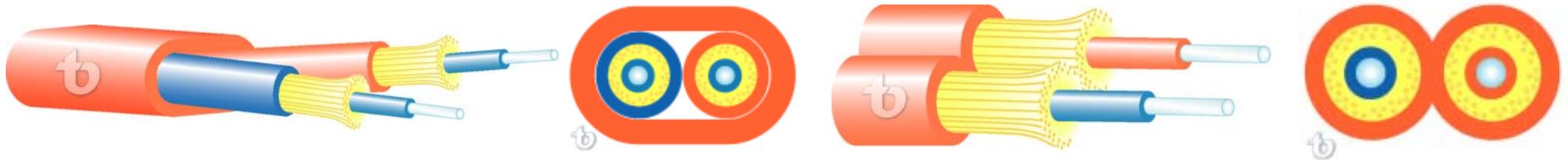
- **Technology** (LAST MILE, FTTH, Data Centers)
- **Business** (LAST MILE, FTTH, Data Centers)
- **Applications** (FTTH, Data Centers/SANs)
- **Cabling Systems**
(LAST MILE, Data Centers, Residential)
- **Components** (LAST MILE, FTTH, Data Centers)

Cable Designs to Meet Present and Future Demands

- ✦ Teldor optimally positioned to meet demands
- ✦ Fiber Expertise enables use of **any fiber in any design**
- ✦ Entire production range from patch cords to Long-Distance OSP, ADSS, OPGW.....
- ✦ ISO 9001:2000, RoHS Compliant, 3rd Party Lab certified
- ✦ Rapid R&D, Custom Design, Private Label, COTS
- ✦ Unique material engineering skills
- ✦ Consistently ready for new technologies and standards

Cable Designs to Meet Present and Future Demands

Work Area Cables / Patch Cords



- ✦ All Fiber Types available
- ✦ Full Range of Jacket and Tight-buffer Materials
- ✦ Full Range of Flammability Ratings (60332-3, OFNR)
- ✦ Fully RoHS Compliant, Test Report for each reel
- ✦ Suitable for all connector types from LC and MTRJ up

Cable Designs to Meet Present and Future Demands

Indoor Premises Cables



- tb All Fiber Types available
- tb Full Range of Jacket and Tight-buffer Materials
- tb Full Range of Flammability Ratings (60332-3, OFNR)
- tb Fully RoHS Compliant, Test Report for each reel
- tb Suitable for all connector types from LC and MTRJ up
- tb 2 – 72 Fibers in Breakout or Multi-tight designs

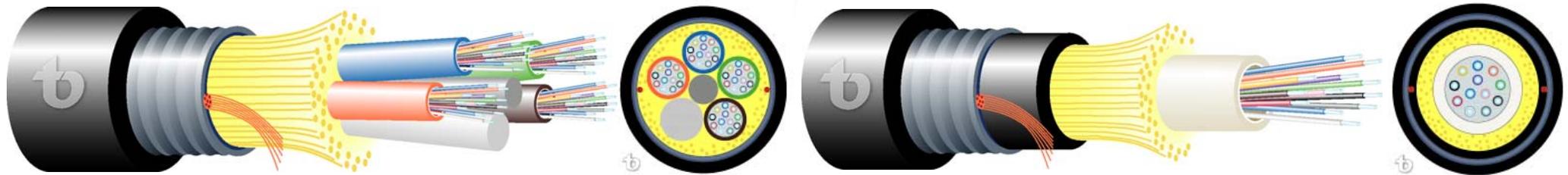
Cable Designs to Meet Present and Future Demands Indoor/Outdoor Premises Cables



- ✦ All Fiber Types available
- ✦ Full Range of Jacket and Tight-buffer Materials
- ✦ Full Range of Flammability Ratings (60332-3, OFNR)
- ✦ Fully RoHS Compliant, Test Report for each reel
- ✦ Full Range of Armoring Options
- ✦ Fully waterblocked, UV resistant, extreme temp. ranges

Cable Designs to Meet Present and Future Demands

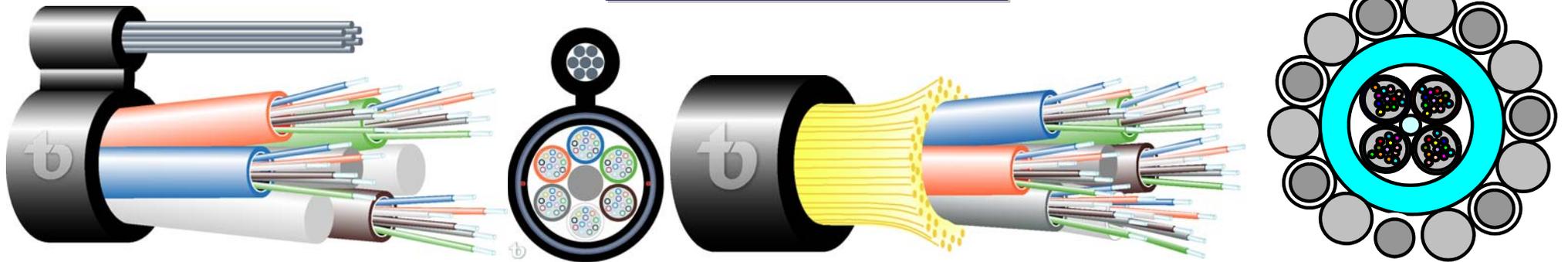
Outdoor Premises Cables



- All Fiber Types available,
- Up to 24 fibers per tube, 864 fibers per cable!
- Fully compatible with IEC, TIA, GR-20 CORE
- Fully RoHS Compliant, Test Report for each reel
- Full Range of Armoring Options
- Fully waterblocked, UV resistant, extreme temp. ranges
- Tight buffer and Loose-tube constructions available

Cable Designs to Meet Present and Future Demands

Aerial Cables



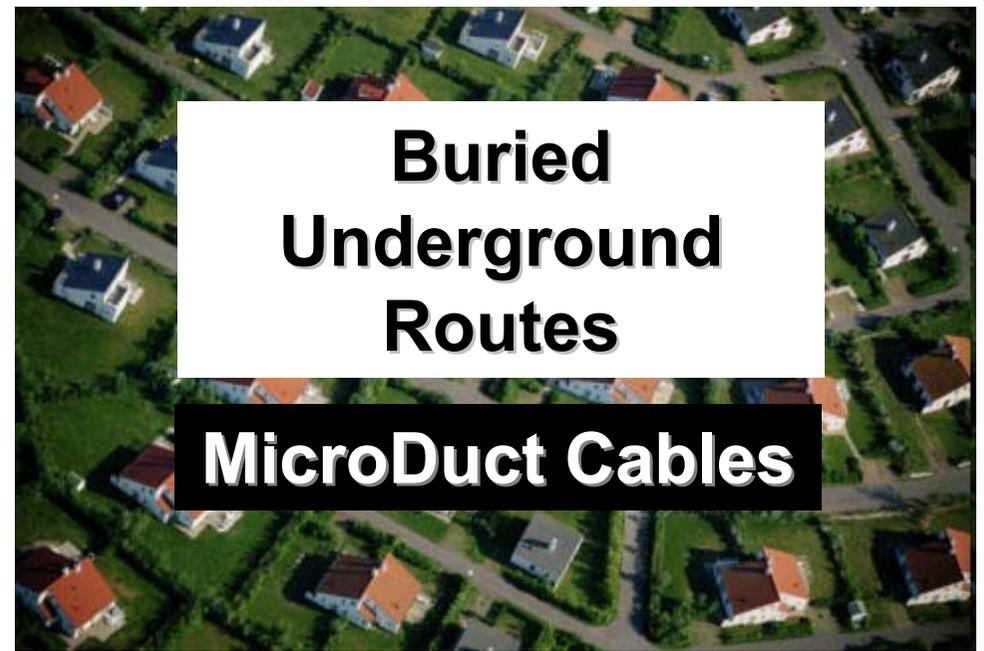
- Self-Supporting Cables w/ messenger
- OPGW cables
- ADSS up to 1.0 km spans
- Drop cables for LAST MILE/FTTH w/ Unique fastener



Cable Designs to Meet Present and Future Demands

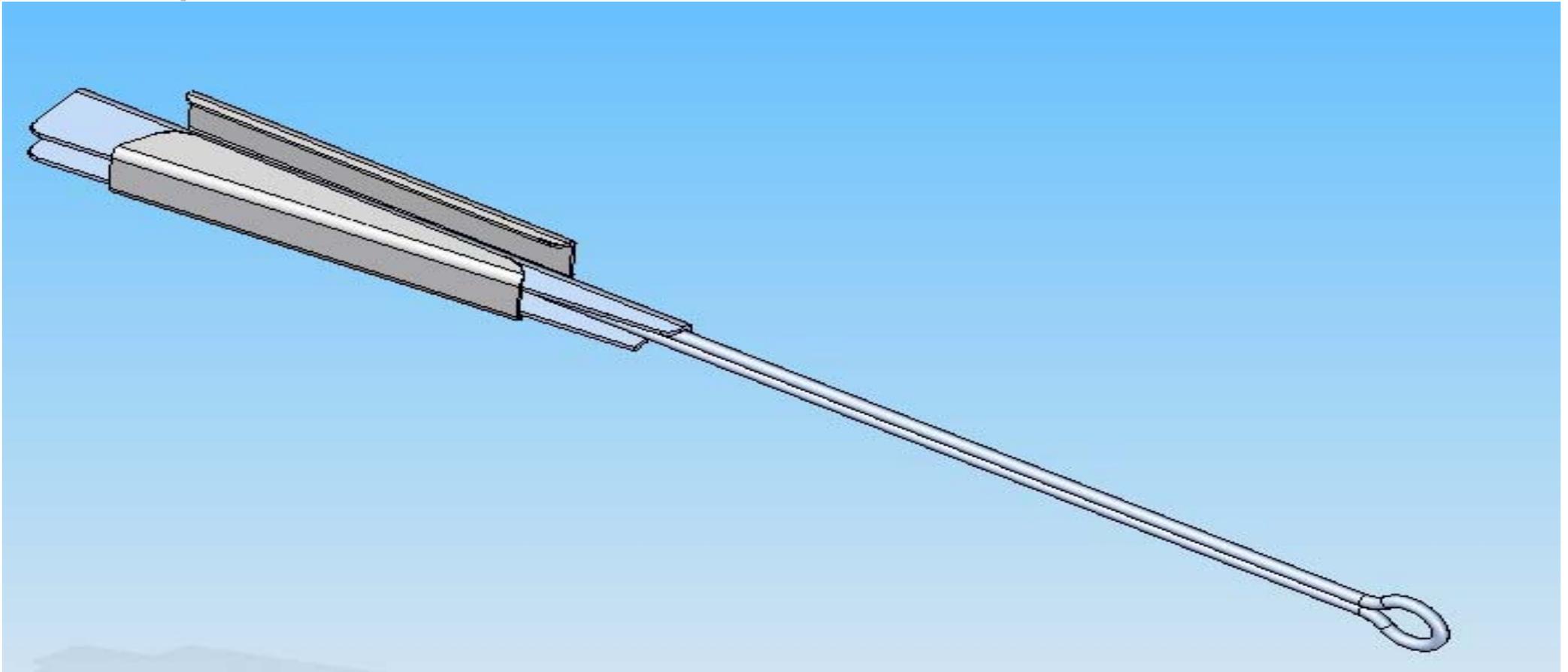
When it comes to cable designs for FTTH in the LAST MILE, the world is divided into 2 infrastructure realities:

Each situation demands different cable designs:



Cable Designs to Meet Present and Future Demands

Drop cables for LAST MILE/FTTH with Unique fastener

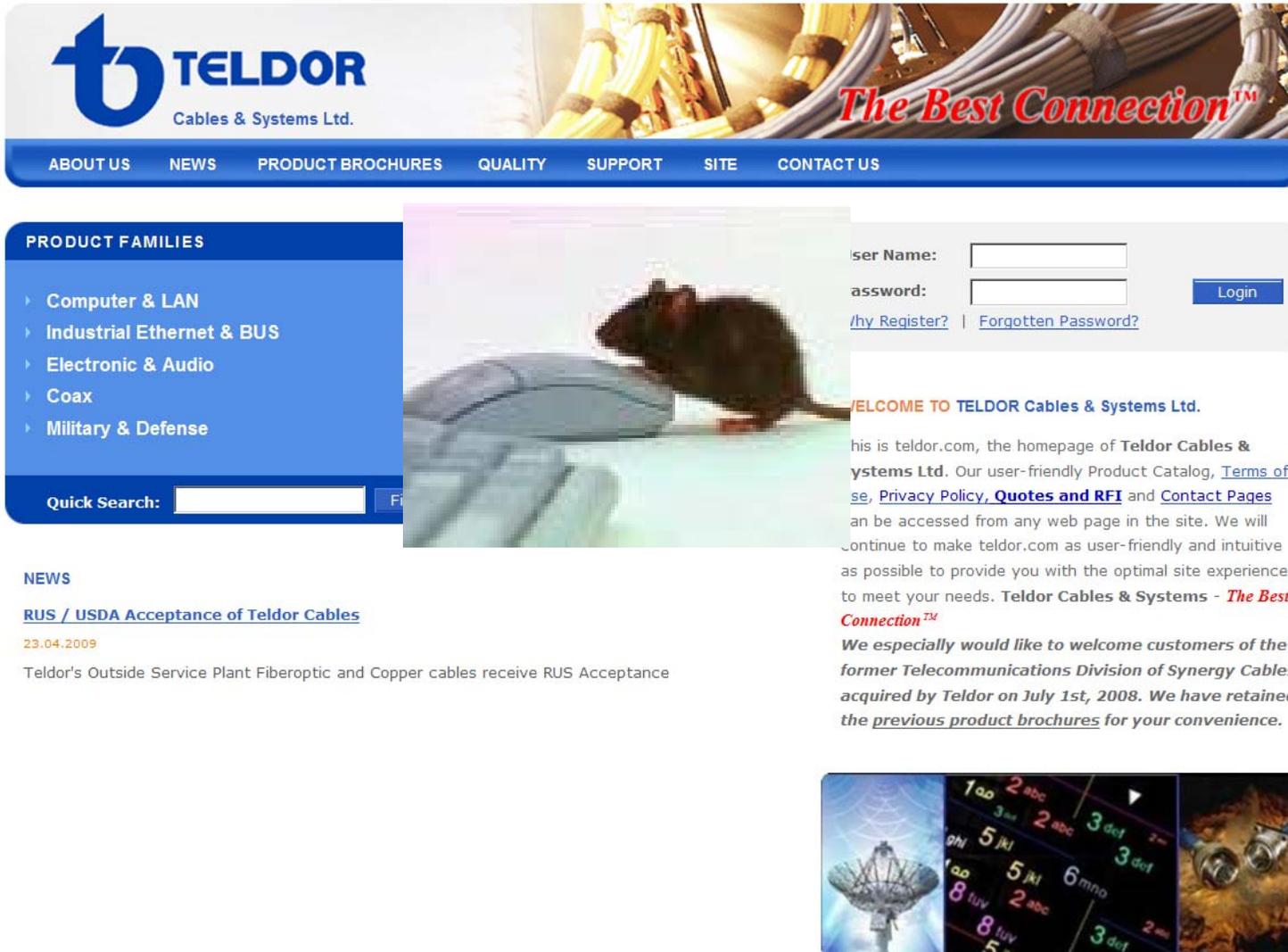


Cable Designs to Meet Present and Future Demands LAST MILE / FTTH



- The **FTX** Microduct Cable for Blown Installation
- Complies with IEC 60794-5 (Family Specification)
- Will Comply with future 60795-2-10 (Product Specification)

Get All You Need With a Click of Your Mouse



TELDOR
Cables & Systems Ltd.

The Best Connection™

ABOUT US NEWS PRODUCT BROCHURES QUALITY SUPPORT SITE CONTACT US

PRODUCT FAMILIES

- ▶ Computer & LAN
- ▶ Industrial Ethernet & BUS
- ▶ Electronic & Audio
- ▶ Coax
- ▶ Military & Defense

Quick Search:

NEWS

[RUS / USDA Acceptance of Teldor Cables](#)

23.04.2009

Teldor's Outside Service Plant Fiberoptic and Copper cables receive RUS Acceptance

User Name:

Password:

[/why Register?](#) | [Forgotten Password?](#)

WELCOME TO TELDOR Cables & Systems Ltd.

This is teldor.com, the homepage of **Teldor Cables & Systems Ltd.** Our user-friendly Product Catalog, [Terms of Use](#), [Privacy Policy](#), [Quotes and RFI](#) and [Contact Pages](#) can be accessed from any web page in the site. We will continue to make teldor.com as user-friendly and intuitive as possible to provide you with the optimal site experience to meet your needs. **Teldor Cables & Systems - *The Best Connection™***

We especially would like to welcome customers of the former Telecommunications Division of Synergy Cables, acquired by Teldor on July 1st, 2008. We have retained the [previous product brochures](#) for your convenience.




Thank you for your attention

