



FTTH staðlar og orðskýringar

Almennt

Í fjarskiptaheiminum er mikill fjöldi skammstafana, sem sumar eru almennt viðurkenndar og aðrar hafa átt uppruna sinn í ýmsum fyrirtækjum og stofnunum. Á vegum IEC hefur verið tekinn saman heildarlisti yfir þessar skammstafanir og þýðingu þeirra, þannig að aðilar noti sömu staðla og skilgreiningar.

Notkun staðla er afar mikilvæg, og ætti að tryggja að hönnuðir og aðrir noti réttar lausnir, vörur og annað sem tryggir best gæði neta.

Listi yfir helstu staðla

Taflan hér að neðan sýnir lista yfir ýmsa fjarskiptastaðla sem á einn eða annan hátt geta skipt máli við hönnun FTTH-neta. Staðlar þessi eru endurskoðaðir reglulega af viðkomandi útgefendum og geta tekið breytingum og nýir staðlar orðið til um svipað efni.

Source	Title	Number	Int/Reg
IEC	<i>Cable Networks for television signals, sound signals and interactive services</i>	IEC 60728	Int
IEC	<i>Optical fibres – Part 1: Generic Specifications - Measurement methods and test procedures</i>	IEC 60793-1	Int
IEC	<i>Optical fibres – Part 2: Product specifications</i>	IEC 60793-2	Int
IEC	<i>Optical fibre cables - Part 1: Generic specifications - Basic optical cable test procedures</i>	IEC 60794-1	Int
IEC	<i>Optical fibre cables – Part 2: Indoor fibre cables</i>	IEC 60794-2	Int
IEC	<i>Optical fibre cables – Part 3: Outdoor cables</i>	IEC 60794-3	Int
IEC	<i>Optical fibre cables – Part 4: Aerial optical cables along electrical power lines</i>	IEC 60794-4	Int
IEC	<i>Optical fibre cables – Part 5: Sectional specifications – Micro-duct cabling for installation by blowing</i>	IEC 60794-5	Int
IEC	<i>Fibre optic interconnecting devices and passive components - Connectors for optical fibres and cables</i>	IEC 60874	Int
IEC	<i>Fibre optic interconnecting devices and passive components - Non- wavelength-selective fibre optic branching devices</i>	IEC 60875	Int
IEC	<i>Fibre optic interconnecting devices and passive components – Mechanical splices and fusion splice protectors for optical fibres and cables</i>	IEC 61073	Int
IEC	<i>Fibre optic interconnecting devices and passive components - Adaptors for fibre optic connectors</i>	IEC 61274	Int
IEC	<i>Fibre optic communication subsystem basic test procedures</i>	IEC 61280	Int
IEC	<i>Optical amplifiers - Test methods</i>	IEC 61290	Int
IEC	<i>Optical amplifiers</i>	IEC 61291	Int
IEC	<i>Fibre optic interconnecting devices and passive components – Test and measurement procedures</i>	IEC 61300	Int
IEC	<i>Fibre optic interconnecting devices and passive components –</i>	IEC 61314	Int



	<i>Fibre optic fan-outs</i>		
IEC	<i>Fibre optic interconnecting devices and passive components - Performance standard</i>	IEC 61753	Int
IEC	<i>Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces</i>	IEC 61754	Int
IEC	<i>Fibre optic interconnecting devices and passive components - Fibre optic connector optical interfaces</i>	IEC 61755	Int
IEC	<i>Fibre optic interconnecting devices and passive components – Interface standards for fibre management systems</i>	IEC 61756	Int
IEC	<i>Fibre optic interconnecting devices and passive components – Interface standards for closures</i>	IEC 61758	Int
IEC	<i>Fibre optic - Terminology</i>	IEC 61931	Int
IEC	<i>Guidance for combining different single-mode fibre types</i>	IEC 62000 TR	Int
IEC	<i>Reliability of fibre optic interconnecting devices and passive optical components</i>	IEC 62005	Int
IEC	<i>Semiconductor optoelectronic devices for fibre optic system applications</i>	IEC 62007	Int
IEC	<i>Fibre optic interconnecting devices and passive components – Fibre optic WDM devices</i>	IEC 62074	Int
IEC	<i>Fibre optic interconnecting devices and passive components – Fibre optic closures</i>	IEC 62134	Int
IEC	<i>Fibre optic active components and devices – Package and interface standards</i>	IEC 62148	Int
IEC	<i>Fibre optic active components and devices – Performance standards</i>	IEC 62149	Int
IEC	<i>Fibre optic active components and devices –Test and measurement procedures</i>	IEC 62150	Int
IEC	<i>Fibre optic interconnecting devices and passive components – Part 01: Fibre optic connector cleaning methods</i>	IEC 62627-01 TR	Int
ISO/IEC	<i>Information technology – Generic cabling systems</i>	ISO/IEC 11801	Int
ISO/IEC	<i>Information technology - Implementation and operation of customer premises cabling</i>	ISO/IEC 14763	Int
ITU-T	<i>Characteristics and test methods of optical fibres and cables</i>	G.65x series	Int
ITU-T	<i>Transmission characteristics of optical components and subsystems</i>	G.671	Int
ITU-T	<i>Construction, installation and protection of cables and other elements of outside plant</i>	L. xy series	Int
ANSI	<i>Commercial building telecommunications pathways and spaces</i>	ANSI/TIA/EIA 569-B	Reg
ANSI	<i>Residential telecommunications infrastructure standard</i>	ANSI/TIA/EIA 570	Reg
ANSI	<i>Administration standard for commercial telecommunications infrastructure</i>	ANSI/TIA/EIA 606-A	Reg
ANSI	<i>Commercial building grounding and bonding requirements for telecommunications</i>	ANSI/TIA/EIA 607	Reg
ANSI	<i>Customer-owned outside plant telecommunications infrastructure standard</i>	ANSI/TIA/EIA 758_A	Reg
ANSI	<i>Customer-owned outside plant telecommunications infrastructure standard</i>	ANSI/TIA/EIA 758-A	Reg
ANSI	<i>Building automation systems cabling standard for commercial buildings</i>	ANSI/TIA/EIA 862	Reg
CENELEC	<i>Family specification – Optical fibre cables for indoor</i>	EN 187103	Reg



	<i>applications</i>		
CENELEC	<i>Single mode optical cable (duct/direct buried installation)</i>	EN 187105	Reg
CENELEC	<i>Sectional specifications: Optical cables to be used along electrical power lines (OCEPL)</i>	EN 187200	Reg
CENELEC	<i>Generic specifications: Optical fibres</i>	EN 188000	Reg
CENELEC	<i>Information technology – Generic cabling systems</i>	EN 50173	Reg
CENELEC	<i>Information technology – Cabling Installation</i>	EN 50174	Reg
CENELEC	<i>Application of equipotential bonding and earthing in buildings with information technology equipment</i>	EN 50310	Reg
CENELEC	<i>Information technology – Cabling installation – Testing of installed cabling</i>	EN 50346	Reg
CENELEC	<i>Connector sets and interconnect components to be used in optical fibre communication systems - Product specifications</i>	EN 50377	Reg
CENELEC	<i>Fibre organisers and closures to be used in optical fibre communication systems – Product specifications</i>	EN 50411	Reg
CENELEC	<i>Simplex and duplex cables to be used for cords</i>	EN 50551	Reg
CENELEC	<i>Optical fibres - Measurement methods and test procedures</i>	EN 60793-1	Reg
CENELEC	<i>Optical fibres - Product specifications</i>	EN 60793-2	Reg
CENELEC	<i>Optical fibre cables</i>	EN 60794	Reg
CENELEC	<i>Generic cabling systems – Specification for the testing of balanced communication cabling</i>	EN 61935	Reg



Skammstafanir/orðskýringar

Hér að neðan er að finna skýringar á ýmsum þeirra fjölmörgu skammstafana sem notaðar eru í fjarskiptaheiminum.

ADSS	All-Dielectric Self-Supporting
AN.....	Access Node
APC.....	Angle-Polished Connector
ATM.....	Asynchronous Transfer Mode
APON.....	Asynchronous Transfer Mode PON
BEP	Building Entry Point
Bit.....	Binary Digit
Bit rate.....	Binary Digit Rate
BPON	Broadband Passive Optical Network
Bps	Bit Per Second
CATV	Cable Television
CPE	Customer Premises Equipment
CRM.....	Customer Relation Management
CTB.....	Customer Termination Box
CO	Central Office
CWDM.....	Coarse Wavelength Division Multiplexing
DBA	Dynamic Bandwidth Allocation
DN.....	Distribution Node
DOCSICS	Data over Cable Service Interface Specification
DP	Distribution Point
DSL	Digital Subscriber Line
DSLAM.....	Digital Subscriber Line Access Multiplexer
DWDM.....	Dense Wavelength Division Multiplexing
EFM	Ethernet in the First Mile (IEEE 802.3ah)
EMS	Element Management System
EP2P.....	Ethernet over P2P (IEEE 802.3ah)
EPON	Ethernet Passive Optical Network
FCCN	Fibre Cross Connect Node
FBT	Fused Biconic Tapered
FCP	Fibre Concentration Point
FDB.....	Fibre Distribution Box
fdf	Fibre Distribution Field
FDH	Fibre Distribution Hub (another term for FCP)
FITH.....	Fibre In The Home
FTTB.....	Fibre To The Building
FTTC	Fibre To The Curb
FTTH.....	Fibre To The Home
FTTN	Fibre To The Node
FTTO.....	Fibre To The Office
FTTP	Fibre To The Premises
FTTx.....	Generic term for all of the fibre-to-the-x above
FWA.....	Fixed Wireless Access
Gbps	Gigabits per second
GIS	Geographic Information System
GPON.....	Gigabit Passive Optical Network
HC	Home Connected
HDPE	High-Density PolyEthylene
HFC.....	Hybrid Fiber Coax
HP	Homes Passed
IDP	Indoor Distribution Point
IEEE	Institute for Electrical and Electronics Engineers



IL.....	Insertion loss
IMP	Indoor Manipulation Point
IEC	International Electrotechnical Commission
IP.....	Ingress Protection (also intellectual property)
ISO	International Organization for Standardization
ISP.....	Internet Service Provider
ITU-T	International Telecommunication Unit – Telecommunications Standards
LAN	Local Area Network
LI.....	Local interface
LMDS	Local Multipoint Distribution Service
LSZH	low smoke, zero halogen
Mbps	Megabits per second
MDU	Multi-Dwelling Units
MEMS.....	Micro Electro Mechanical Switch
MMDS	Multichannel Multipoint Distribution Service
MMF	MultiMode Fibre
MN.....	Main Node
NGA.....	Next Generation Access Network
NGN.....	Next Generation Network
NMS.....	Network Management System
NTU	Network Termination Unit
ODF	Optical Distribution Frame
ODP	Optical Distribution Point
ODR.....	Optical Distribution Rack
OE.....	Optical Ethernet
OLA	Operational Level Agreement
OLT.....	Optical Line Termination
OLTS	Optical Loss Test Set
OMP.....	Optical Manipulation point
ONT	Optical Network Termination
ONU.....	Optical Network Unit
OPGW.....	Optical Power Ground Wire
OTDR.....	Optical Time-Domain Reflectometer
OTO	Optical Telecommunication Outlet
P2MP	Point-To-Multi-Point
P2P / PtP	Point-To-Point (communication, configuration or connection)
PC	Physical Contact or Polished Connector
PE.....	PolyEthylene
PON	Passive Optical Network
POP	Point Of Presence
PVC.....	PolyVinylChloride
RU.....	Rack Unit
RL	Return Loss
ROW	Right Of Way
S/N	Signal-to-Noise ratio
SDSL.....	Symmetric Digital Subscriber Line
SFU	Single Family Unit
SLA.....	Service Level Agreement
SMF	Single Mode Fibre
STP.....	Shielded Twisted Pair
STU	Single-Tenant Units
UPC.....	Ultra Polished Connector
UPS	Uninterruptible Power Supply
UTP.....	Unshielded Twisted Pair
TDMA.....	Time Division Multiplex Access
VDSL	Very high bit rate Digital Subscriber Line
VOD.....	Video on Demand



WDMWavelength Division Multiplexing
WiMAXWorldwide Interoperability for Microwave Access
WLANWireless LAN
WFM.....Workforce Management
WAN.....Wide Area Network
WMS.....Workforce Management System