Past PHY naming – some thoughts

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Voice grade CO UTP PHY as specified in Clause 61 and 63 2BASE-TL-O 2BASE-TL-R Voice grade subscriber UTP PHY as specified in Clause 61 and 63

Thick coax MAU as specified in Clause 8 (deprecated)

FOIRL MAU as specified in 9.9 (deprecated) Thin coax MAU as specified in Clause 10

Broadband DTE MAU as specified in Clause 11 (deprecated)

UTP MAU as specified in Clause 14, duplex mode unknown Voice grade CO UTP PHY as specified in Clause 61 and 62

Voice grade subscriber UTP PHY as specified in Clause 61 and 62

10PASS-TS-O

10PASS-TS-R

10BASE-T

100BASE-TX

100BASE-BX10-D

100BASE-BX10-U

100BASE-FX

100BASE-LX10

1000BASE-BX10-D 1000BASE-BX10-U

Synchronous fiber MAU as specified in Clause 17

Asynchronous fiber MAU as specified in Clause 18

Two-pair Category 5 UTP as specified in Clause 25

One-fiber OLT PHY as specified in Clause 58

One-fiber ONU PHY as specified in Clause 58

X fiber over PMD as specified in Clause 26

Two-fiber PHY as specified in Clause 58

One-fiber OLT PHY as specified in Clause 59

One-fiber ONU PHY as specified in Clause 59

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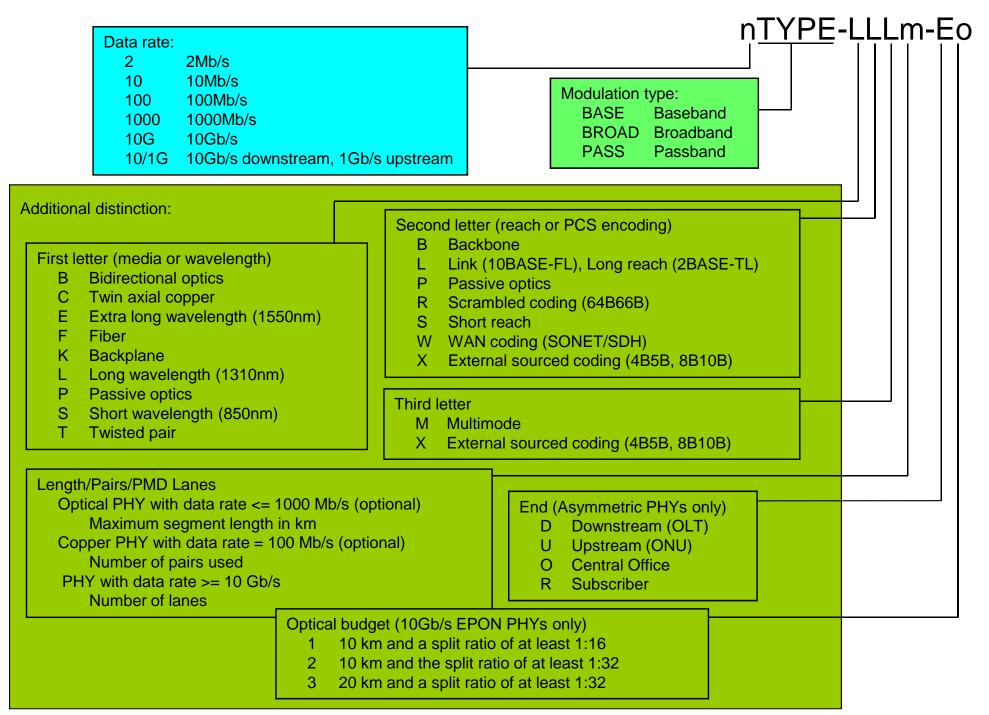
1000BASE-LX	X fiber over long-wavelength laser PMD as specified in Clause 38
1000BASE-LX10	Two-fiber 10 km PHY as specified in Clause 59
1000BASE-PX10-D	One-fiber OMP OLT 10 km PHY as specified in Clause 60
1000BASE-PX10-U	One-fiber OMP ONU 10 km PHY as specified in Clause 60
1000BASE-PX20-D	One-fiber OMP OLT 20 km PHY as specified in Clause 60
1000BASE-PX20-U	One-fiber OMP ONU 20 km PHY as specified in Clause 60
1000BASE-SX	X fiber over short-wavelength laser PMD as specified in Clause 38
1000BASE-CX	X copper over 150-Ohm balanced cable PMD as specified in Clause 39
1000BASE-KX	X PCS/PMA over an electrical backplane PMD as specified in Clause 70
1000BASE-T	Four-pair Category 5 UTP PHY as specified in Clause 40
10GBASE-LX4	X fiber over WWDM optics as specified in Clause 53
10GBASE-CX4	X copper over 8 pair 100-Ohm balanced cable as specified in Clause 54
10GBASE-KX4	X PCS/PMA over an electrical backplane PMD as specified in Clause 71
10GBASE-ER	R fiber over 1550 nm optics as specified in Clause 52
10GBASE-LR	R fiber over 1310 nm optics as specified in Clause 52
10GBASE-SR	R fiber over 850 nm optics as specified in Clause 52
10GBASE-LRM	R fiber over 1310 nm optics as specified in Clause 68
10GBASE-KR	R PCS/PMA over an electrical backplane PMD as specified in Clause 72
10GBASE-EW	W fiber over 1550 nm optics as specified in Clause 52
10GBASE-LW	W fiber over 1310 nm optics as specified in Clause 52

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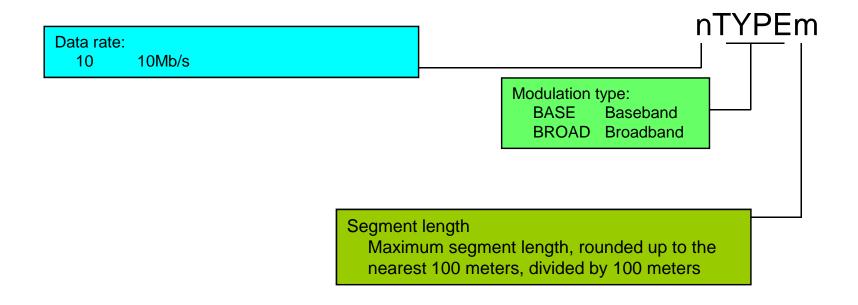
10GBASE-LW	W fiber over 1310 nm optics as specified in Clause 52
10GBASE-SW	W fiber over 850 nm optics as specified in Clause 52
10GBASE-T	Four-pair twisted-pair balanced copper cabling PHY as specified in Clause 55
10/1GBASE-PRX-D1	One single-mode fiber 10.3125 GBd continuous downstream / 1.25 GBd burst mode upstream OLT PHY as specified in Clause 75, 10 km and a split ratio of at least 1:16
10/1GBASE-PRX-D2	One single-mode fiber 10.3125 GBd continuous downstream / 1.25 GBd burst mode upstream OLT PHY as specified in Clause 75, 10 km and the split ratio of at least 1:32
10/1GBASE-PRX-D3	One single-mode fiber 10.3125 GBd continuous downstream / 1.25 GBd burst mode upstream OLT PHY as specified in Clause 75, 20 km and a split ratio of at least 1:32
10/1GBASE-PRX-U1	One single-mode fiber 10.3125 GBd continuous downstream / 1.25 GBd burst mode upstream ONU PHY as specified in Clause 75, 10 km and a split ratio of at least 1:16
10/1GBASE-PRX-U2	One single-mode fiber 10.3125 GBd continuous downstream / 1.25 GBd burst mode upstream ONU PHY as specified in Clause 75, 10 km and the split ratio of at least 1:32
10/1GBASE-PRX-U3	One single-mode fiber 10.3125 GBd continuous downstream / 1.25 GBd burst mode upstream ONU PHY as specified in Clause 75, 20 km and a split ratio of at least 1:32
10GBASE-PR-D1	One single-mode fiber 10.3125 GBd continuous downstream / burst mode upstream OLT PHY as specified in Clause 75, 10 km and a split ratio of at least 1:16
10GBASE-PR-D2	One single-mode fiber 10.3125 GBd continuous downstream / burst mode upstream OLT PHY as specified in Clause 75, 10 km and the split ratio of at least 1:32
10GBASE-PR-D3	One single-mode fiber 10.3125 GBd continuous downstream / burst mode upstream OLT PHY as specified in Clause 75, 20 km and a split ratio of at least 1:32
10GBASE-PR-U1	One single-mode fiber 10.3125 GBd continuous downstream / burst mode upstream ONU PHY as specified in Clause 75, 10 km and a split ratio of at least 1:16
10GBASE-PR-U3	One single-mode fiber 10.3125 GBd continuous downstream / burst mode upstream ONU PHY as specified in Clause 75, 20 km and a split ratio of at least 1:32

PHY types added by IEEE P802.3av 10Gb/s EPON included as the last recirculation just closed with 100% approval and no comments. Note:

MAU/PHY naming

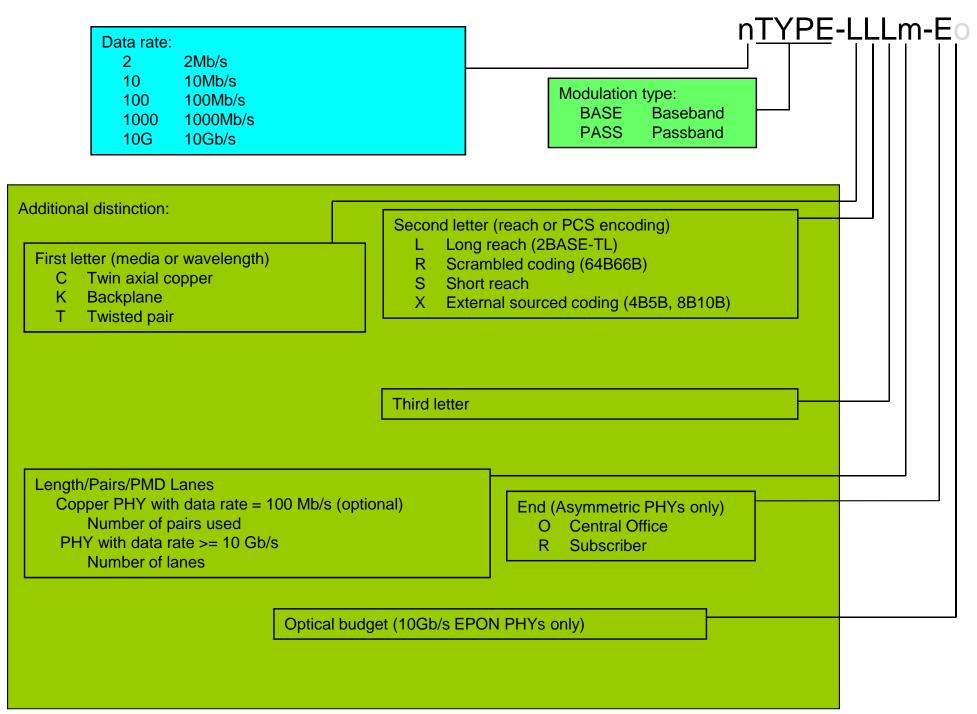


Legacy naming for 10Mb/s Coax MAUs

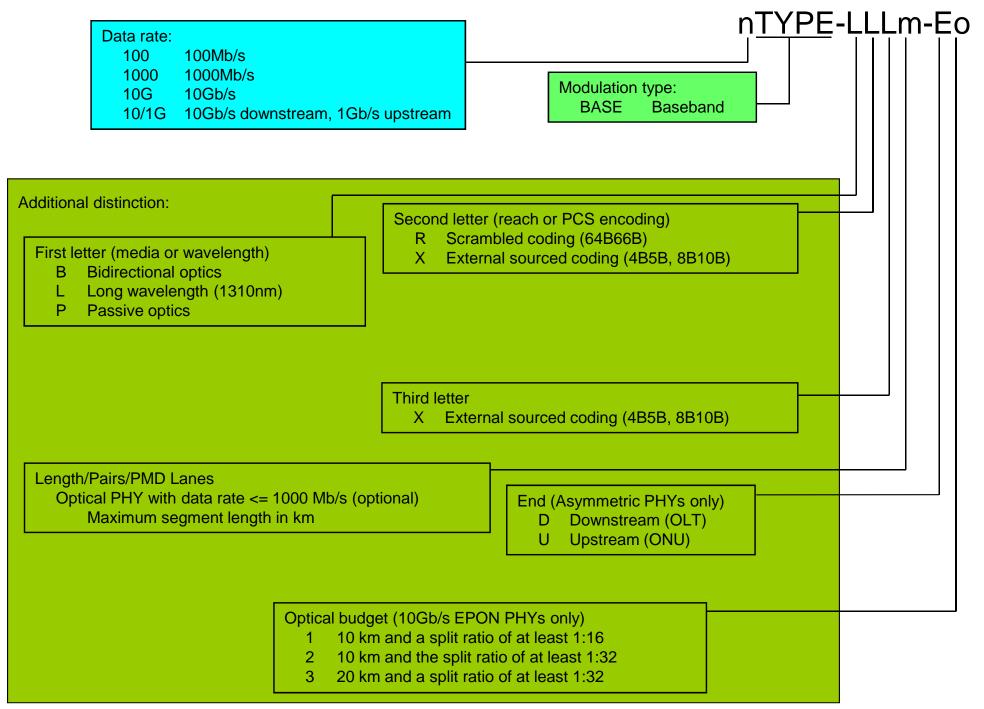


Note: Naming convention for 10BASE5, 10BASE2 and 10BROAD36

Copper MAU/PHY naming



Access Optics MAU/PHY naming



Enterprise Optic MAU/PHY naming (excluding PON)

