

621.391

Intel, Realtek, D-Link, VIA, Planet.
IEEE 802.3,

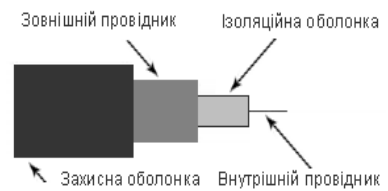
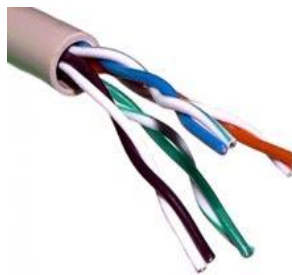
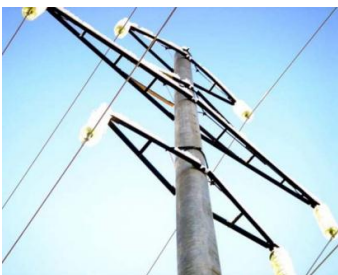
: 3Com, AlliedTelesis, Atheros, Broadcom, Marvell,

[1]

(medium)

(. 1):

[2]



, 2012.

9

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[5]

1. NRZ (Non-Return toZero ó) ó

NRZ

NRZ

- NRZ ó "1ö
- NRZI (Non-Return toZeroInverted ó) ó "0ö

"1ö.

100BaseFX;[7]

FDDI,

NRZ:

-
-
-
-

f_0

($\frac{N}{2}$, N -

[/]),

NRZ:

NRZ

[6]

2. RZ (ReturntoZero ó) ó

"1ö "0ö

() ;

3-

RZ

MLT-3:

	0	1	0	1	1	0	0	0	1
NRZ	Low	High	Low	High	High	Low	Low	Low	High
Diff. NRZ	Low	High	High	Low	High	High	Low	Low	High
NRZI	High	High	Low	High	High	Low	High	High	Low
RZ	High	Low	High	Low	Low	High	High	High	Low
AMI	Low	High	Low	High	Low	Low	Low	Low	High
Manchester	High	Low	Low	High	High	Low	Low	Low	High
Diff. Manch.	Low	High	High	Low	Low	High	High	High	Low
MLT-3	Low	High	Low	High	High	Low	Low	Low	High

. 2.

(Non-Return toZero ó) NRZ

NRZ, f_0 , $\frac{N}{2}$

AMI NRZ. AMI, NRZ ó

" ø - , 2012. 9 : , , "

AMI

ô

AMI

NRZ,

ø , NRZ,

3N/4.

MLT-3

1. : . . / . . . ó :: . . . - « . . . - », 2009. ó 70 .
2. " " [] <http://uk.wikipedia.org/wiki/> .
3. ø . // [] http://comp-net.at.ua/index/koduvannja_signaliv/0-20.
4. // . . . / / . . . ó . : - " , 2008. ó 240 .
5. // . . . / " ø " , 479. ó 2009. ó . 114-125. // Cisco systems. Inc. ó . :
6. " c", 2004. ó 380- .
7. / . ó . 2- , . : . . ó . : " c", 2003. ó 1104 . : . ó , . . .