

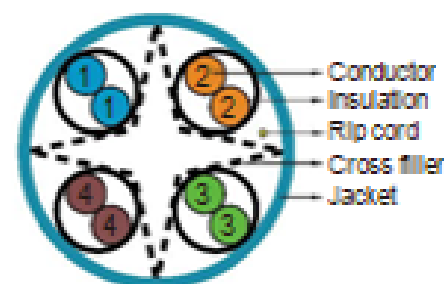


## Application

NYX category 6 unshielded horizontal solid LAN cable (U/UTP) allows for data transmission between patch panels, outlets and/or IT equipment installed in data center or terminal users buildings. Backwards compatible with Cat5e application. Cable is supplied on a reel inside the carton, for ease of installation.

## Characteristics

Type of cable	4 pair cables Non-plenum cable
Conductor Material	Annealed Bare Copper, 23AWG (1x0.55+/-0.004MM)
Cable insulation	HDPE, 0.98+/-0.05MM OD
Filler	HDPE Cross
Rip cord	Polyester filament FDY 900D, Under the sheath
Cable jacket	PVC, 6.2+/-0.5MM OD
Spark test for insulation	2500VDC
Conductor resistance	93.8ohms/KM MAX @ 20 C temperature
DCR unbalanced	5%
Insulation resistance	5000Mohm Min / KM @ 500VDC charge 1 minute
Characteristic Impedance	100+/-15 @ 1~100MHz, 100+/-22 @ 101-200MHz, 100+/-32 @ 201-250MHz
Propagation delay skew	45ns/100m
Storage temperature	-15 C to 75 C
Installation temperature	0 C to 60 C
Maximum pulling force	25lbs
Min bend radius (install)	100mm
Cable marking	<b>NYX CAT6 UTP CABLE VKLAN6U23GCMxxx-yy</b>



**23AWG PVC 75°C AS/NZS 3080 CAT 6 XXW/YYY XXXM**

**△ NVP @ 69% 4PR**

(Note: xxx & -yy indicates refer to page 2 of ordering reference)

### Transmission parameters

Frequency	RL	IL	NEXT	PSNEXT	ACRF	PSACRF	TCL	ELTCTL	Delay
1	20.0	2.0	74.3	72.3	67.8	64.8	40.0	35.0	570
4	23.0	3.8	65.3	63.3	55.8	52.8	40.0	23.0	552
8	24.5	5.3	60.8	58.8	49.7	46.7	40.0	16.9	547
10	25.0	6.0	59.3	57.3	47.8	44.8	40.0	15.0	545
16	25.0	7.6	56.2	54.2	43.7	40.7	38.0	10.9	543
20	25.0	8.5	54.8	52.8	41.8	38.8	37.0	9.0	542
25	24.3	9.5	53.3	51.3	39.8	36.8	36.0	7.0	541
31.25	23.6	10.7	51.9	49.9	37.9	34.9	35.1	/	540
62.5	21.5	15.4	47.4	45.4	31.9	28.9	32.0	/	539
100	20.1	19.8	44.3	42.3	27.8	24.8	30.0	/	538
200	18.0	29.0	39.8	37.8	21.8	18.8	27.0	/	537
250	17.3	32.8	38.3	36.3	19.8	16.8	26.0	/	536