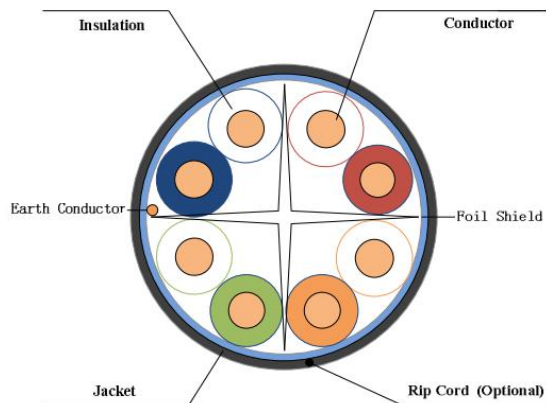


PRODUCT SPECIFICATION

LAN cable

CAT. 6A FTP 4x2x23AWG

FIGURE



CONSTRUCTION

Inner conductor	Solid Bare Copper	$\Phi 0.57 \pm 0.02\text{mm}$
Insulation	Solid HDPE	$\Phi 1.10 \pm 0.05\text{mm}$
	Color	1 Blue & White/ Blue
		2 Orange & White/ Orange
		3 Green & White/ Green
Filler	PE	4 Brown & White/ Brown
Shield	Total Shield	“+” shape
	Drain wire	Foil
Sheath	PVC, PE, FRPVC, LSZH	Tinned Copper 26AWG
	Rip cord	$\Phi 7.80 \pm 0.30\text{mm}$
		Nylon (Optional)

MECHANICAL PROPERTIES

Bending radius (single)	mm	$8 \times \text{cable OD}$
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ELECTRICAL PROPERTIES

Impedance	Ω	$100 \pm 15 @ \leq 100\text{MHz}$
		$100 \pm 32 @ 100 \sim 500 \text{ MHz}$
DC Resistance unbalance	For conductors, %	≤ 2
	For pairs, %	≤ 4
Conductor DC Resistance	$\Omega/100\text{m}$	$\leq 9.5 @ 20^\circ\text{C}$
Insulation Resistance	$\text{M}\Omega.\text{km}$	≥ 5000
Delay Skew	ns/100	≤ 45

PRODUCT SPECIFICATION

LAN cable

CAT. 6A FTP 4x2x23AWG

TRANSMISSION PROPERTIES

Frequency	Attenuation	Return loss	NEXT	PS NEXT	EL FEXT	PS EL FEXT	Delay
MHz	dB/100m	dB	dB	dB	dB	dB	ns/100m
4	3.8	23.0	66.3	63.3	56.0	53.0	552
8	5.3	24.5	61.8	58.8	49.9	46.9	547
10	5.9	25.0	60.3	57.3	48.0	45.0	545
16	7.5	25.0	57.2	54.2	43.9	40.9	543
20	8.4	25.0	55.8	52.8	42.0	39.0	542
25	9.4	24.3	54.3	51.3	40.0	37.0	541
31.25	10.5	23.6	52.9	49.9	38.1	35.1	540
62.5	15.0	21.5	48.4	45.4	32.1	29.1	539
100	19.1	20.1	45.3	42.3	28.0	25.0	538
200	27.6	18.0	40.8	37.8	22.0	19.0	537
250	31.1	17.3	39.3	36.3	20.0	17.0	536
300	34.3	17.3	38.1	35.1	18.5	15.5	536
400	40.1	17.3	36.3	33.3	16.0	13.0	536
500	45.3	17.3	34.8	31.8	14.0	11.0	536

STANDARDS

ANSI/TIA/EIA 568-B.2-1

Compliant