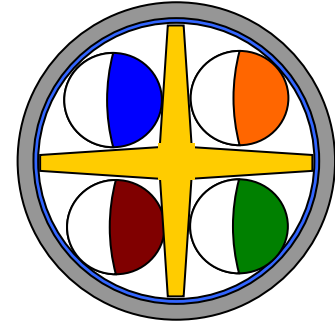


Newlink Cat 6 23AWG LSZH

Technical Specifications:

Product Description:

Type: Category 6 UTP 4 Pair cable
Standards: ISO/IEC11801 & TIA- 568-C.2 & EN50173, UL Subject 444
Applications: Generic cabling systems. Including 10Base - T, 100Base -T, 1000Base – T, ATM & Token Ring



Construction:

Conductor	23AWG Soft Plain Copper ($\geq 0.545\text{mm}$) $0.55 \pm 0.005\text{mm}$
Insulation	Polyethylene with colour marking on white cores to ease identification
Colour Code	White-Blue/Blue, White-Orange/Orange, White-Green/Green, White-Brown/Brown
Shield	None
Outer Jacket	Nominal Diameter $6.1 \pm 0.3 \text{ mm}$, Thickness : $0.50 \pm 0.05\text{mm}$
Additional Components	Cable is supplied without ripcord unless specified by the customer Central separator for improved performance.
Printing	Sheath printed Black with Legend as per customer requirement

Mechanical Characteristics:

Maximum Pulling Force	100N
Minimum Bending Radius	$8 \times \text{OD}$
Nominal Weight	40KG/KM
Operating Temperature	$-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$
Installation Temperature	$+0^{\circ}\text{C} \sim +50^{\circ}\text{C}$
LSZH Jacket requirement	ROHS, IEC60332-1-2, IEC60754-1, IEC61034-1&-2
Product lengths	305m
Testing Requirement	Pass fluke link 90meter testing base on ANSI/TIA 568C.2 Standard

Electrical Performance:

Transmission Frequency (MHz)	1	4	10	16	20	31.25	62.5	100	200	250
NEXTA dB/100m	65	64.1	57.8	54.6	53.1	50	45.1	41.8	36.9	35.3
Attenuation dB/100m	1.9	3.5	5.5	7	7.9	10	14.4	18.6	27.4	31.1
Return Loss dB/100m	-19.1	21	21	20	19.5	18.5	16	14	11	10
PSNEXTA dB/100m	-62	61.8	55.5	52.2	50.7	47.5	42.7	39.3	34.3	32.7
ELFEXTA dB/100m	64.2	52.1	44.2	40.1	38.2	34.3	28.3	24.2	18.2	16.2
PSELFEXTA dB/100m	61.2	49.1	41.2	37.1	35.2	31.3	25.3	21.2	15.2	13.2
Delay ns/100m	521	504	498	496	495	494	492	491	490	490
Skew ns/100m	≤44									

1

Ordering Information:

Part number	Description
NEW-980655X	Newlink UTP Cat 6 with LSZH jacket

X = 1: Gray

X = 2: Blue