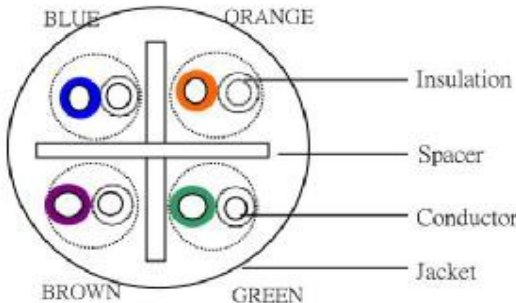


SPECIFICATION

Issued Date	Style	LAN CABLE	Document No.
Sept.12.2012			LUMN
Edition	Size	UTP CAT.6 23AWG * 4P (Solid) PE OUTDOOR	Page
1.0-1			1/1

Marking	
HYPERLINE UTP4-C6-SOLID-OUTDOOR-40 U/UTP 4PR CAT.6 23AWG SOLID PE OUTDOOR (+60 °C ~ -40°C) TIA/EIA-568B.2 CMX WW/YY XXXXM	
Description	
Rating Temp :	60°C
Flame test :	OUTDOOR
Application :	Horizontal Wiring in LAN
Standard :	ANSI/TIA 568 C.2
Construction &Dimension :	
Conductor :	Material : Annealed Bare Copper Size : 23AWG X 4P Construction : 1 / 0.556mm ± 0.01mm
Insulation :	Material: HDPE Minimum Average Thickness : 0.22mm Minimum Thickness at any point: 0.21mm Diameter: 1.00mm ± 0.05mm
Idenification :	1. Blue x White / Blue 2. Orange x White / Orange 3. Green x White / Green 4. Brown x White / Brown
Core Assembly :	Core Twist : 2 core twist Filler : NA Assembly Pair : 4 Pair Assembly
Taping :	Mylar Foil : NA
Shielded :	A1-Mylar Foil : NA
Braid :	Tinned copper : NA
Spacer :	Material : PE Construction :
Jacket :	Material : PE for OUTDOOR Minimum Average Thickness : 0.45mm Minimum Thickness at any point: 0.4mm Diameter : 6.1mm ± 0.2mm
Gross Weight :	19kgs/500M
Net Weight :	18kgs/500M
Approval	Drawing

Electrical &Physical Properties :						
Frerquency	RL	Att.	NEXT	PSNEXT	ELFEXT	PSELFEXT
1.0	20.0	2.0	74.3	72.3	67.8	64.8
4.0	23.0	3.8	65.3	63.3	55.8	52.8
8.0	24.5	5.3	60.8	58.8	49.7	46.7
10.0	25.0	6.0	59.3	57.3	47.8	44.8
16.0	25.0	7.6	56.2	54.2	43.7	40.7
20.0	25.0	8.5	54.8	52.8	41.8	38.8
25.0	24.3	9.5	53.3	51.3	39.8	36.8
31.250	23.6	10.7	51.9	49.9	37.9	34.9
62.5	21.5	15.4	47.4	45.4	31.9	28.9
100.0	20.1	19.8	44.3	42.3	27.8	24.8
200.0	18.0	29.0	39.8	37.8	21.8	18.8
250.0	17.3	32.8	38.3	36.3	19.8	16.8
Impedance (0.772-100MHz):				85~115Ω		
DC.Resistance Unbalance :				5%		
Pair-to-Ground Capacitance Unbalance:				330 pF/100m Max.		
Conductor Resistance :				9.38Ω/100m 20°C Max		
Mutual Capacitance :				5.6 nF/m Max.		
Spark Test :				2.5 KV		
Cross Section						
						
Hyperline Systems Ltd 2212 Gladwin Crescent, Unit C7 Ottawa, Canada, K1B 5N1						