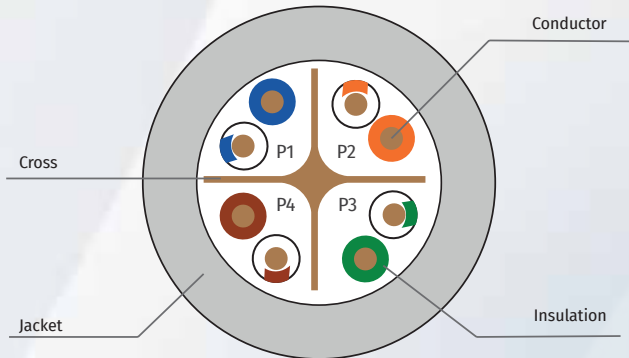


OUTDOOR DOUBLE LAYER 4PR 23AWG CAT6 COPPER TWISTED PAIR CABLE



Color
 Insulation Cores: Pairs
 P1: Blue & White
 P2: Orange & White
 P3: Green & White
 P4: Brown & White
 Jacke

Construction

Structure	
Construction	Bare Copper
4 Twisted Pair	8C
AWG	23
Construction (MM)	1/0.57±0.008
Standard Dia. (MM)	/
Insulation	PE
Norn. Thickness (MM)	0.225
Insulation Dia. (±0.005MM)	1
Sepaiaior	PE Cross
Shield/Braid	/
Overlap(%)	/
Darin wire	/
Jacket	PVC+PE
Norn. Thickness (MM)	0.6
Outer Dia. (±0.2MM)	6.3

Physical Characteristics

Insulation	Unit	
Tens strenght (before aging)	Kgf/mm ²	>1.68
Tens strenght (after aging)	Kgf/mm ²	
Elongation (before aging)	%	>300%
Elongation (after aging)	%	
Jacket		
Tens strenght (before aging)	Kgf/mm ²	>1.41
Tens strenght (after aging)	Kgf/mm ²	
Elongation (before aging)	%	>100%
Elongation (after aging)	%	
Conductor Resistance	Ω/Km / 20° C	<93.8
Insulation Shrinkback		121° C x1hr
Insulation cold bend		-20° C x4hr
Jacket cold bend		-20° C x4hr

Electrical Characteristics

ELECTRICAL CHARACTERISTICS (20 °C)	
MAX.CONDUCTOR DC RESISTANCE (/KM) #23:89	#23:89
MIN.INSULATION RESISTANCE (/KM) PE:100M	100M
DIELECTRIC STRENGTH:	AC-500V/1 MIN NO BREAKDOWN
D-C RESISTANCE UNBALANCE:	MAX 2%
PAIR-TO-GROUND CAPACITANCE UNBALANCE:	MAX. 330PF/100M
INPUT IMPEDANCE:	4-100MHz 100+/-15ohm 100-250MHz 100+/-22ohm
MEAN CHARACTERISTIC IMPEDANCE@100MHZ:	100+/-5 OHMS
NOMINAL VELOCITY OF PROPAGATION (NVP):	68+/-2%
PROPAGATION DELAY@100MHZ:	≥537.6 ns/ 100M
PROPAGATION DELAY SKEW:	MAX. ≥45ns/100M
FREQUENCY RANGE MINIMUM REQUIREMENTS(EQUATIONS)	
INSERTION LOSS :	4-250MHZ IEC60332-1:EQUATION(2),CONSTANT VALUES SEE TABLE 4 CAT. 6
RETURN LOSS 4-250MHZ IEC60332-1:	SEE TABLE 10
INPUT IMPEDANCE 4-250MHZ IEC60332-1:	SEE TABLE 10
NEXT 4-250MHZ IEC60332-1:	EQUATION(6),CONSTANT VALUES SEE TABLE 6 CAT. 6
PS NEXT 4-250MHZ IEC60332-1:	EQUATION(5),CONSTANT VALUES SEE TABLE 6 CAT. 6
ELFEXT 4-250MHZ IEC60332-1:	EQUATION(7),CONSTANT VALUES SEE TABLE 6 CAT. 6
PS ELFEXT 4-250MHZ IEC60332-1:	EQUATION(7),CONSTANT VALUES SEE TABLE 6 CAT. 6

Ordering Information

* Ordering Code Example

LIGC6UP-O

PN
LIGC6UP-O

L	I	G	C	6	U	P	-	O
---	---	---	---	---	---	---	---	---