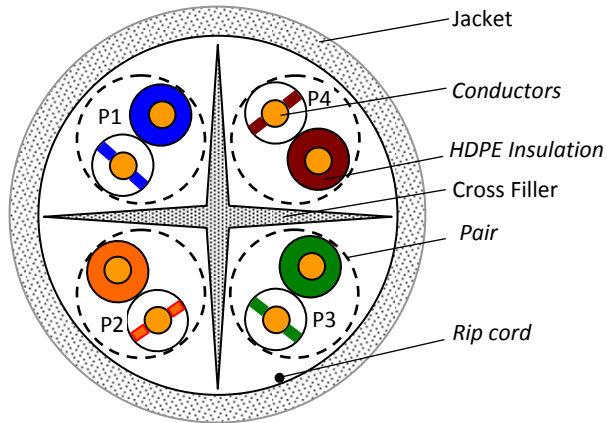


## U/UTP Cat. 6 LSZH 4\*2\*24 AWG

Four twisted pairs unshielded cable suitable for horizontal wiring in LAN

### Color identification according to IEC 60304



Pair 1	White- Blue / Blue
Pair 2	White- Orange / Orange
Pair 3	White- Green / Green
Pair 4	White- Brown / Brown

Construction Data	Material	Dimension		
Conductors	Solid bare Copper	0,53 ± 0,008	mm	(24 AWG)
Insulation	HDPE (High Density Polyethylene)	0,96 ± 0,05	mm	
Polyester film				
Overall All/Pet tape				
Outer sheath	LSZH	6,0 ± 0,3	mm	
Flame Rate	EN 50575	Eca		
Physical Characteristics		Units		
Cable under minimum tension		≥ 400	N	
Tensile strenght of Sheath		≥ 10	MPa	
Conductor elongation		≥ 15	%	
Elongation at break of Sheath		≥ 125	%	

Electrical Characteristics		Units		
Impedance [1 – 250 ] MHz		100 ± 15	Ohms	
Rated Temperature		75	°C	
DC Resistance Unbalance		Max 2.5	%	
Conductor DC Resistance @20°C		≤ 93,8	Ohms / Km	
Pair to Ground Capacitance Unbalance		330	pF/100mt	
Insulation Resistance		>5000	MΩ * Km	
Dielectric strenght		DC 2500V		

## Nominal Transmission characteristics

Frequency	Min.	Nominal	Max.	Max.	Min.	Min.	Min.	Min.	Min.	Min.
	R.L	IL	DOP	SKEW	ACR	ACR	NEXT	PSNEXT	ACR-F	PSACR-F
MHz	dB	dB/100 m	ns/100 m	ns/100 m	dB/100 m	dB/100 m	dB	dB	dB/100 m	dB/100 m
1	20,0	2,0	570	45	72,3	70,3	74,3	72,3	67,8	64,8
4	23,0	3,8	552	45	61,5	59,5	65,3	63,3	55,8	52,8
8	24,5	5,3	547	45	55,5	53,5	60,8	58,8	49,7	46,7
10	25,0	6,0	545	45	55,3	51,5	59,3	57,3	47,8	44,8
16	25,0	7,6	543	45	48,6	46,6	56,2	54,2	43,7	40,7
20	25,0	8,5	542	45	46,3	44,3	54,8	52,8	41,8	38,8
25	24,3	9,5	541	45	43,8	41,8	53,3	51,3	39,8	36,8
31,25	23,6	10,7	540	45	41,2	39,2	51,9	49,9	37,9	34,9
62,5	21,5	15,4	539	45	32,0	30,0	47,4	45,4	31,9	28,9
100	20,1	19,8	538	45	24,5	22,5	44,3	42,3	27,8	24,8
200	18,0	29,0	537	45	10,8	8,8	39,8	37,8	21,8	18,8
250	17,3	32,8	536	45	5,5	3,5	38,3	36,3	19,8	16,8

## Packaging

Item	Description	Color	Put up	Put up Weight
DC06205360	PULL BOX 305			