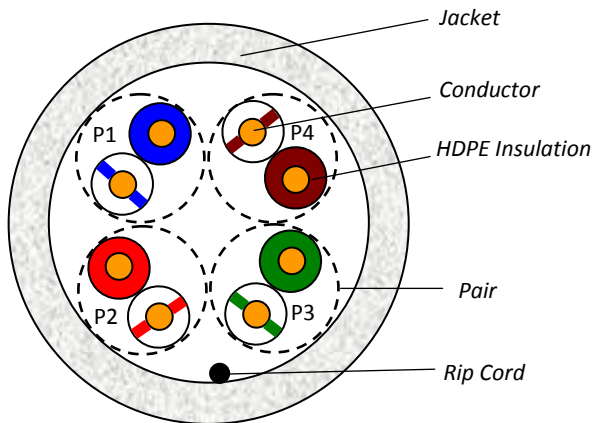


U/UTP Cat. 5E PVC 4*2*24 AWG

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	0,48 ± 0,008	mm	(24 AWG)
Insulation	HDPE (High Density Polyethylene)	0,86 ± 0,05	mm	
	Average Thickness	0,19 ± 0,05	mm	
Outer sheath	PVC	4,8 ± 0,3	mm	
Flame rate	EN50575	Eca		
Mechanical Characteristics		Units		
Cable under minimum tension		≥ 400	N	
Conductor elongation		≥ 15	%	
Tensile strenght of Sheath		≥ 13,5	MPa	
Elongation at break of Sheath		≥ 150	%	

Electrical Characteristics		Units		
Impedance [1 – 100] 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.
	R.L	IL	DOP	SKEW	NEXT	PSNEXT	ACR-F	PSACR-F
MHz	dB	dB/100 m	ns/100 m	ns/100 m	dB	dB	dB/100 m	dB/100 m
1	20,0	2,0	570,0	45	65,3	62,3	63,8	60,8
4	23,0	4,1	552,0	45	56,3	53,3	51,8	48,8
10	25,0	6,5	545,4	45	50,3	47,3	43,8	40,8
16	25,0	8,2	543,0	45	47,2	44,2	39,7	36,7
20	25,0	9,3	542,1	45	45,8	42,8	37,8	34,8
31,25	23,6	11,7	540,4	45	42,9	39,9	33,9	30,9
62,5	21,5	17,0	538,6	45	38,4	35,4	27,9	24,9
100	20,1	22,0	537,6	45	35,3	32,3	23,8	20,8

Packaging

Item	Description	Color	Put up	Put up Weight
DC05104848	PULL BOX 305			