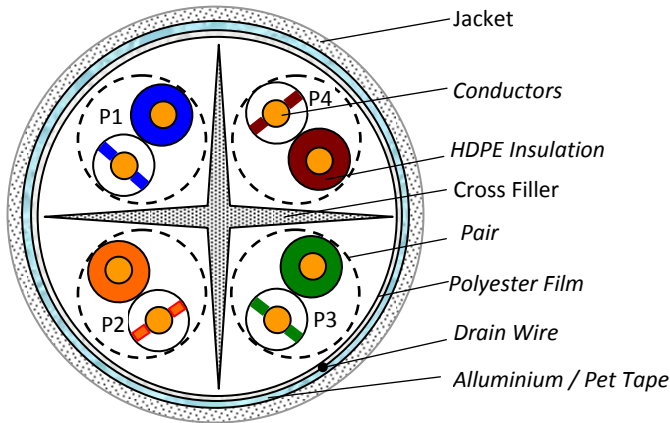


## F/UTP Cat. 6 PVC 4\*2\*23 AWG

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	0,56 ± 0,008	mm	(23 AWG)
Insulation	HDPE (High Density Polyethylene)	1,06 ± 0,05	mm	
Polyester film				
Drain wire	Tinned copper	0,40 ± 0,01	mm	
Overall All/Pet tape	Aluminium /Polyester			
Outer sheath	PVC	7,6 ± 0,3	mm	
Flame rate	EN50750	Eca		
Physical Characteristics		Units		
Cable under minimum tension		≥ 400	N	
Tensile strenght of Sheath		≥ 13,5	MPa	
Conductor elongation		≥ 15	%	
Elongation at break of Sheath		≥ 150	%	
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.
	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	45	74,3	72,3	67,8	64,8
4	23,0	3,8	552	45	65,3	63,3	55,8	52,8
8	24,5	5,3	547	45	60,8	58,8	49,7	46,7
10	25,0	6,0	545	45	59,3	57,3	47,8	44,8
16	25,0	7,6	543	45	56,2	54,2	43,7	40,7
20	25,0	8,5	542	45	54,8	52,8	41,8	38,8
25	24,3	9,5	541	45	53,3	51,3	39,8	36,8
31,25	23,6	10,7	540	45	51,9	49,9	37,9	34,9
62,5	21,5	15,4	539	45	47,4	45,4	31,9	28,9
100	20,1	19,8	538	45	44,3	42,3	27,8	24,8
200	18,0	29,0	537	45	39,8	37,8	21,8	18,8
250	17,3	32,8	536	45	38,3	36,3	19,8	16,8

## Packaging

Item	Description	Color	Put up	Put up Weight
FDC16105676	WOODEN DRUM 500 M			