

Q16-6000 CAT.7 S/FTP Stranded



PATCH S/FTP 26AWG 4P CAT7 PVC Sheath



Sheath Printing	Q16-6000 EMELEC VIASCOM 4PR 26AWG PATCH S/FTP CAT7 PVC Gigacom 1000BaseT ISO/IEC 11801 TIA/EIA 568B & RoHS Fire Class Fca 001-XXXXm MM/DD/YY		
Category	PATCH S/FTP-IND-C7-4P-PVC-TC70		
Test Standard	ISO/IEC11801、IEC61156、YD/T1019		
Conductor	Material	Stranded Bare Copper	
	dimension.(mm)	26AWG(7/0.16)	
Insulation	Material	Skin-foam-skin PE	
	Diameter	1.00±0.05 mm	
Individual Screening	Aluminum Foil	Drain wire	No
Outer Screening	TC Braid	Coverage	≥70%
Sheath	Thickness	0.55±0.05 mm	
	External O.D.	6.5±0.5 mm	
	Surface	Clean,Frap,Satiation	
	Material	Flexible PVC	
	Color	BLACK	
Surface Printing	Letter height	3.0±0.3mm	
	Color	WHITE	
	Print error & Space	≤±0.5%, 1m	
Core Color	1 White/Blue	2 White/Orange	
	3 White/Green	4 White/Brown	
Packing	Wooden Tray & Carton		
Wooden Tray dimension	According to the requires		
Packing length	305±1.5m		
Operating temperature	-20°C to 70°C (running); 0°C to 60°C (installation)		
Sheath Physical Properties	Before Aging	Tensile Strength (Mpa)	≥13.8
		Elongation (%)	≥100
	Aging Period (°C×hrs)	100°C×24h×10d	
	After Aging	Tensile Strength (Mpa)	≥85%
	(Retention rate)	Elongation (%)	≥50%
	Cold bend (-20±2°C×4h)	No visible cracks	
Electrical Characteristics (20°C)	Conductor -to- conductor capacitance (pF/100m) max	5600	
	Unbalanced-to-ground capacitance (pF/100m) max	160	
	DC Resistance (Ω/100m) max	14.8	
	Insulation Resistance(MΩ *km) min	5000	

Technical Performance (100m)			
Propagation delay (ns/100m)		≤513	
Characteristic Impedance(Ω) :		100±5Ω @100MHz	
Frequency (MHz)	RL (dB)	ATT (dB)	NEXT (dB)
1.0	20	3.1	75.63
4.0	23	5.7	66.3
8.0	24.5	8	61.8
10.0	25.0	8.9	60.3
16.0	25.0	11.2	57.2
20.0	25.0	12.6	55.8
31.25	23.3	15.8	52.8
62.5	20.7	22.5	48.4
100	19	28.7	45.3
200	16.4	41.4	40.8
250	15.6	46.6	39.3
300	15.6	51.4	38.1
500	15.6	67.9	34.8
Frequency (MHz)	PSNEXT (dB)	ELFEXT (dB)	PSELFEXT (dB)
1	72.3	67.8	64.8
4	63.3	55.8	52.8
8	58.8	49.7	46.7
10	57.3	47.8	44.8
16	54.2	43.7	40.7
20	52.8	41.8	38.8
31.25	49.9	37.9	34.9
62.5	45.4	31.9	28.9
100	42.3	27.8	24.8
200	37.8	21.8	18.8
250	36.3	19.8	16.8
300	35.1	18.3	15.3
500	31.8	13.8	10.8

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