

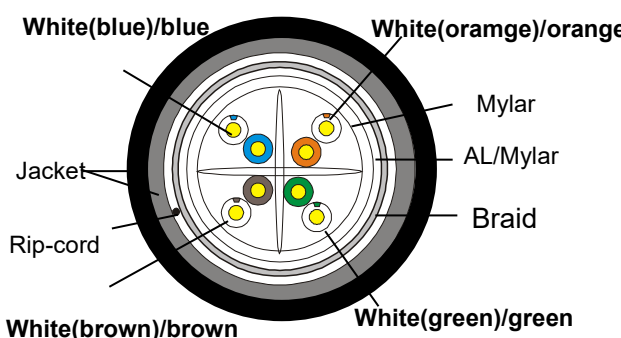


SF/UTP 4Pairs cable-category 6-PVC+PVC Sheath

P/N: G2403-093

Content of the Data Sheet

Sheath Printing	TBD									
Customer No.		Customer Reference								
Category	SF/UTP-CAT6-4P-PVC+PVC UV-TC30									
Reference Standard	ISO/IEC11801、ANSI/TIA-568.2-D									
Conductor	Material	SOLID-Bare Copper								
	Nom.O.D.(mm)	0.565	up	+0.005	down	-0.005				
Insulation	Material	HDPE								
	Diameter	1.12±0.05 mm								
Inner Screening Material	Mylar+AL/Mylar	Drain wire	No							
Outer Screening Material	Tinned copper		Coverage	≥30%						
Inner Sheath	Material	PVC	Color	TBD						
	Thickness	0.55±0.1 mm								
Outer Sheath	Thickness	0.55±0.1 mm								
	External O.D.	9.0±0.5 mm								
	Surface	Clean,Frap,Satiation								
	Material	PVC(complies RoHS), UV Resistant								
	Color	Black								
	Letter height	3.0±0.3mm								
Surface Printing	Color	White								
	Print error & Space	≤±0.5%, 1m								
	Core Color	1 White- Blue /Blue		2 White-Orange /Orange						
	3 White- Green /Green		4 White- Brown /Brown							
Packing	Drum									
Wooden Tray dimension	According to the requires									
Packing length	305±1.5m									
Rip-cord	Yes									
Sheath Physical Properties	Before Aging	Tensile Strength (Mpa)	≥13.5							
		Elongation (%)	≥150							
	Aging Period (°C×hrs)	100°C×24h×7d								
	After Aging	Tensile Strength (Mpa)	≥12.5							
		Elongation (%)	≥125							
	Cold bend (-20±2°C×4h)	8×Cable O.D., No visible cracks								
Sunlight resistant Test: Conditions: 300h	Result: Tensile Strength and Elongation are not less than 85%									
Electrical Characteristics (20°C)	1.0-250.0MHz	Impedance (Ω)	100±15							
	1.0-250.0MHz	Delay Skew (ns/100m)	≤45							
	unbalanced-to-ground capacitance (pf/100m)		max 330							
	DC Resistance (Ω/100m) max		9.38							
	DC Conductor Resistance Unbalance (%) max		5.0							
Version	A/01	Date	2022-11-29	Revised By	Caihanglie	Audited By	Nidonghua	Approved By	Nidonghua	



Technical Performance (100m):

Frequency (MHz)	RL (dB)	ATT (20°C) (dB)	NEXT (dB)	PHASE DELAY (ns)
1	20.0	—	74.3	570.00
4.0	23.0	3.78	65.3	552.00
8.0	24.5	5.32	60.8	546.73
10.0	25.0	5.95	59.3	545.38
16.0	25.0	7.55	56.2	543.00
20.0	25.0	8.47	54.8	542.05
25.0	24.3	9.51	53.3	541.20
31.25	23.6	10.67	51.9	540.44
62.5	21.5	15.38	47.7	538.55
100	20.1	19.80	44.3	537.60
200	18.0	28.98	39.8	536.54
250	17.3	32.85	38.3	536.27

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
25	51.3	39.8	36.8
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

