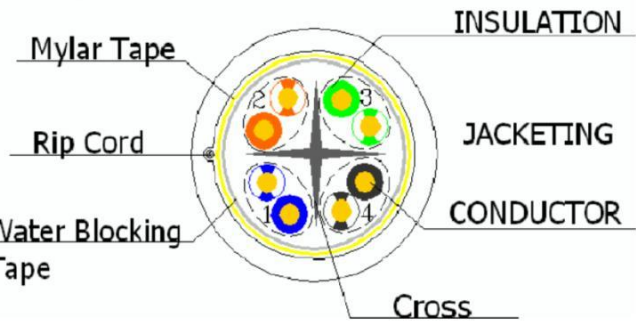


Date	Author	Review	Approve	Version	Revision Declaration
SEP-06-2018	Anne		WallisGan	A0	

Content of the Data Sheet

Sheath Printing	PSI DATA OUTDOOR UTP CAT6e OSP 550MHZ 4PR 23 AWG VERIFIED TO ANSI/TIA-568-C.2 CAT 6e xxxFT				
Part No.	60DB				
Category	U/UTP CAT6E Water-blocking PE Sheath				
Test Standard	ISO/IEC 2 nd Edition 11801 Class E, TIA-568-C. Cat.6e				
Conductor	Material	SOLID-Bare Copper			
	Nom.O.D.(mm)	0.55	up	+0.005	down
Insulation	Material	PE			
	Diameter	0.98±0.03mm			
Sheath	Thickness	0.6±0.05mm			
	External O.D.	6.7±0.4 mm			
	Surface	Clean,Frap,Satiation			
	Material	LDPE (complies RoHS)			
	Color	Black			
Surface Printing	Letter height	3.0±0.3mm			
	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	Wooden Drum packed				
Carton dimension	According to the requirement				
Packing length	305±1.5m				
Rip-cord	Yes	Drain wire	No		
Sheath Physical Properties	Aging at 100°C for 168Hrs - Min. elongation retention: 75% Min. tensile strength retention: 75% Unaged Elongation : Min. 350% Unaged Tensile Strength : Min. 1.02 Kgf/mm ²				
Filier	Mylar + Water-Blocking Tape + PE Seperator				
Electrical Characteristics (20°C)	1~100MHz - 100±15%				
	101~250MHz - 100±22%				
	251~550MHz - Reference values				
	1.0-550.0MHz	Delay Shew (ns/100m)	≤45		
DC Resistance (Ω/100m) max		9.38			
DC Conductor Resistance Unbalance (%)max		5.0			



Technical Performance :

Fre. MHz	RL ≥dB	ATT ≤dB	NEXT ≥dB	DELAY ≤ns	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1	19.0	2.1	65.0	580	62.0	63.3	60.3
4	19.0	4.0	63.0	562	60.5	51.2	48.2
10	19.0	6.3	56.6	555	54.0	43.3	40.3
16	18.0	8.0	53.2	553	50.6	39.2	36.2
20	17.5	9.0	51.6	552	49.0	37.2	34.2
31.25	16.5	11.4	48.4	550	45.7	33.4	30.4
62.5	14.0	16.5	43.4	549	40.6	27.3	24.3
100	12.0	21.3	39.3	548	37.1	23.3	20.3
200	9.0	31.5	34.8	547	31.9	17.2	14.2
250	8.0	35.9	33.1	546	30.2	15.3	12.3
350	6.6	44.0*	37.1*	545*	24.1*	9.3*	6.3*
550	4.6	58.5*	15.0*	543*	22.0*	-	-

The asterisked (*) value are for information only. The minimum Next coupling loss for any pair combination at room temperature is to be greater than the value determined using the formula: NEXT(f MHz) ≥ NEXT(0.772)-15LOG10(f MHz/0.772)dB
 10BASE-T, 100BASE-TX Fast Ethernet (IEEE 802.3) 100 VG
 - AnyLAN(IEEE802.12), 155 Mbps ATM Voice, T1, ISDN

Note1: Remarks: * are the reference values.

Note2: Outdoor use - UV rated and direct burial.

※ Reference:
 Installation temperature: -10°C~ +50°C
 Operating temperature: -40°C~ +60°C