F/ U T P 4Pairs cable -category 5E
Water-blocking, PE (Outdoor)

Date	Author	Review	Approve	Version	Revision Declaration
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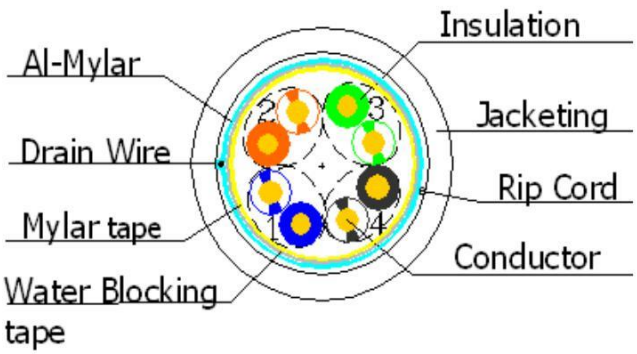
Content of the Data Sheet

Sheath Printing	PSI DATA OUTDOOR FTP CAT5e OSP 350MHZ 4PR 24 AWG VERIFIED TO ANSI/TIA-568-C.2 CAT 5e xxxFT			
Part No.	5EODB-SH			
Category	F/UTP CAT5E Water-blocking PE Sheath			
Test Standard	ISO/IEC 2nd Edition 11801 Class D, TIA-568-C. Cat.5e			
Conductor	Material	SOLID-Bare Copper		
	Nom.O.D.(mm)	0.50	up	+0.005
			down	-0.005
Insulation	Material	PE		
	Diameter	1.0±0.03mm		
Sheath	Thickness	0.6±0.05mm		
	External O.D.	6.8±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	Yes	
Sheath Physical Properties	Aging at 100℃ 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 Swellable Tape + Drain wire + Al Mylar			
Electrical Characteristics (20℃)	1-100MHz Impedance(Ω)	100±15		
	1-100MHz 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	3.0	60.0	498	57.0	58.6	55.6
4	19.0	3.9	54.8	498	51.8	46.6	43.6
10	19.0	6.2	48.5	498	45.5	38.6	35.6
16	19.0	7.9	45.2	498	42.2	34.5	31.5
20	19.0	8.9	43.7	498	40.7	32.6	29.6
31.25	17.1	11.2	40.5	498	37.5	28.7	25.7
62.5	14.1	16.2	35.7	498	32.7	22.7	19.7
100	12.0	21.0	32.3	498	29.3	18.6	15.6
*200	9.0*	30.9*	27.3*	498	24.3*	12.6*	9.6*
*300	7.2*	39.0*	24.4*	498	21.4*	9.1*	6.1*
*350	6.6*	42.6*	23.3*	498	20.3*	7.7*	4.7*

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℃~ +50℃
Operating temperature: -40℃~ +60℃