



**Revision History**

Part No: PGS-FL64-11SD111X4	
Prepared by: JC	Date: 2017/5/12
Approved by: AC	Page: 1 of 1
<b>Product Code: UTP CAT 6 CM PVC 24AWG (550MHz)</b>	

**Product Description**

**Application:**  
 Primary (Campus), Secondary (Riser), Tertiary (Horizontal)  
 IEEE 802.3an: 10Base-T; 100Base-TX; 1000Base-T  
 IEEE 802.5 16 MB; ISDN; TPDDI; ATM  
 IEEE 802.3af-2002: POE; IEEE 802.3at: POE+

**Reference Standard**  
 ISO/IEC 11801: 2011; IEC61156-5:2009; ANSI/TIA-568-C.2  
 EN50173; EN50288

**Multi-construction**  
 4 Pair

**Cable Construction**

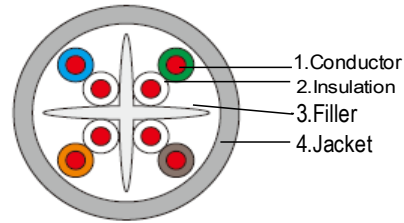
<b>1.Conductor</b>	<b>Bare Copper</b>
Construction (mm)	0.52±0.01
<b>2.Insulation</b>	<b>HDPE</b>
Insulation Dia.(mm)	0.93±0.08×2C Twist
<b>3.Filler</b>	<b>Corss Member</b>
<b>4.Jacket</b>	<b>CM PVC</b>
Dia.(mm)	5.60±0.20
Jacket Color	According to customer
<b>Color</b>	
Insulation color are:	
Blue, White/Blue	Orange, White/Orange
Green, White/Green	Brown, White/Brown

**Marking**  
 PGS-FL64-11SD111X4 CM TYPE 24AWG 4PR 75 (UL)  
 EXXXXXX ETL VERIFIED to ANSI/TIA-568-C.2 UTP CAT.6 SOLID  
 BARE COPPER PT pacTech BATCH NO. RoHS 1000 FT...2FT

**Packaging**  
 305M /Box

**Label**

**Design**



**Electrical Characteristics**

<b>Performance</b>				
Frequency (MHz)	ATTENUATION (dB/100m)	NEXT (dB)	PSNEXT (dB)	RETURN LOSS (dB)
4.0	3.8	66.3	63.3	23.0
10.0	6.0	60.3	57.3	25.0
16.0	7.6	57.2	54.2	25.0
20.0	8.5	55.8	52.8	25.0
31.3	10.7	52.9	49.9	23.6
62.5	15.5	48.4	45.4	21.5
100.0	19.9	45.3	42.3	20.1
155.5	25.3	42.4	39.4	18.8
175.0	27.1	41.7	38.7	18.4
200.0	29.1	40.8	37.8	18.0
250.0	33.0	39.3	36.3	17.3
400.0	43.2	36.3	33.3	15.9
550.0	52.0	34.2	31.2	17.3

Frequency (MHz)	ELFEXT (dB/100m)	PSELFEXT (dB/100m)
4.0	56.0	53.0
10.0	48.0	45.0
16.0	43.9	40.9
20.0	42.0	39.0
31.3	38.1	35.1
62.5	32.1	29.1
100.0	28.0	25.0
155.5	24.2	21.2
175.0	23.1	20.1
200.0	22.0	19.0
250.0	20.0	17.0
400.0	16.0	13.0
550.0	13.2	10.2

Max. Conductor DC Resistance at 20°C (Ω/Km)	<97.6
Rated Temperature(°C)	60
Velocity ratio	70%
Impedance(Ω)	1-100MHz 100±15 100-250MHz 100±20 250-400MHz 100±25 400-550MHz 100±30

Fire Performance: CM  
 UL File No. EXXXXXX

