



Revision History

Part NO: PGS-FL6A4-21SD531X4	
Prepared by: JC	Date: 2018/01/25
Approved by: AC	Page: 1 of 1

Product Code: U-FTP Cat 6A FEP CMP (650MHz)

Product Description

Application:

Primary (Campus), Secondary (Riser), Tertiary (Horizontal)
 IEEE 802.3an: 10Base-T; 100Base-TX; 1000Base-T 10GBASE-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; UL444
 EN50173; EN50288; ANSI/TIA 568-C.2:2009

Multi-construction

4 Pair

Cable Construction

1.Conductor	Bare Copper
Construction	0.59±0.01
2.Insulation	FEP
Insulation Dia.(mm)	1.45±0.10×2C Twist
Each Pair is Twisted ,Shielded.	
3.AI-Pet(FR) shield(on each pair)	≥115%
4.Drain Wire	Tinned copper
Construction	T0.40±0.008
5.Jacket	CMP PVC
Thickness	0.45
Dia.(mm)	7.40±0.20
Jacket Color	According to customer
Color	
Insulation color are:	
Blue, White/Blue	Orange,White/Orange
Green, White/Green	Brown, White/Brown

Marking

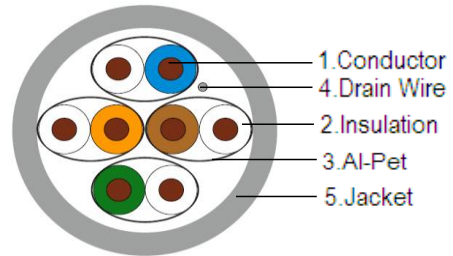
PGS-FL6A4-21SD531X4 CMP TYPE 24AWG 4PR 75 (UL) EXXXXXX
 ETL VERIFIED to ANSI/TIA-568-C.2 UTP CAT.6A SOLID BARE COPPER
 PT pactech BATCH NO. RoHS 1000 FT...2FT

Packaging

305M/EasyReel Box
 305M/Reel

Label

Design



Electrical Characteristics

Performance

Frequency (MHz)	Attenuation (dB/100m)	NEXT (dB)	PSNEXT (dB)	Return Loss (dB)
4.00	3.80	66.30	63.30	23.00
10.00	5.90	60.30	57.30	25.00
16.00	7.50	57.20	54.20	25.00
31.25	10.50	52.90	49.90	23.60
62.50	15.00	48.40	45.40	21.50
100.00	19.10	45.30	42.30	20.10
250.00	31.10	39.30	36.30	17.30
500.00	45.30	34.80	31.80	17.30
650.00	52.30	33.10	30.10	17.30

Frequency (MHz)	ELFEXT (dB/100m)	PSELFEXT (dB/100m)
4.00	56.00	53.00
10.00	48.00	45.00
16.00	43.90	40.90
31.25	38.10	35.10
62.50	32.10	29.10
100.00	28.00	25.00
250.00	20.00	17.00
500.00	14.00	11.00
650.00	11.74	8.74

Max.Conductor DC Resistance at 20°C (Ω/Km)	<78.1	
Rated Temperature(°C)	60	
Velocity ratio	approx. 76%	
Impedance(Ω)	1-100MHz	100±15
	100-250MHz	100±20
	250-650MHz	100±25
Fire Performance: CMP		
UL File No. EXXXXXX		

