



Revision History

Part No: PGS-FL5E4-11SD531X4	
Prepared by: JC	Date: 2018/01/25
Approved by: AC	Page: 1 of 1

Product Code:UTP CAT 5E FEP CMP (350MHz)

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; UL444
 EN50173; EN50288; TIA-568-C.2:2009

Multi-construction

4 Pair

Cable Construction

1.Conductor **Bare Copper**

Construction (mm) 0.50±0.01

2.Insulation **FEP**

Insulation Dia.(mm) 0.88±0.05×2C Twist

3.Jacket **CMP PVC**

Thickness 0.45

Dia.(mm) 5.00±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-FL5E4-11SD531X4 CMP TYPE 24AWG 4PR 75 (UL)
 EXXXXXX ETL VERIFIED to ANSI/TIA-568-C.2 UTP CAT.5e SOLID
 BARE COPPER PT pactech BATCH NO. RoHS 1000 FT...2FT

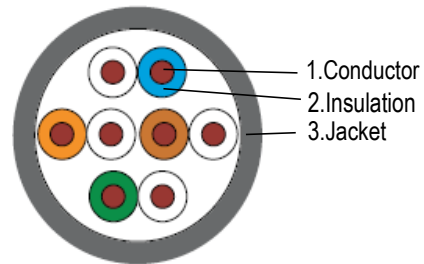
Packaging

305M /Box

500M/Reel

Label

Design



Electrical Characteristics

Performance

Frequency (MHz)	Attenuation (dB/100m)	NEXT (dB)	PSNEXT (dB)	Return Loss (dB)
4.00	4.10	56.30	53.30	23.00
10.00	6.50	50.30	47.30	25.00
16.00	8.30	47.20	44.20	25.00
31.25	11.70	42.90	39.90	23.60
62.50	17.00	38.40	35.40	21.50
100.00	22.00	35.30	32.30	20.10
250.00	36.86	29.33	26.33	17.32
350.00	44.85	27.14	24.14	17.32

Frequency (MHz)	ELFEXT (dB/100m)	PSELFEXT (dB/100m)
4.00	52.00	49.00
10.00	44.00	41.00
16.00	39.90	36.90
31.25	34.10	31.10
62.50	28.10	25.10
100.00	24.00	21.00
250.00	16.04	13.04
350.00	13.12	10.12

Max. Conductor DC Resistance at 20°C (Ω/Km) <104.8

Rated Temperature(°C) 75

Velocity ratio 68%

Impedance(Ω)	1-100MHz	100±15
	100-250MHz	100±20
	250-350MHz	100±25

Fire Performance: CMP

UL File No. EXXXXXX

