



Revision History

Part No: PGS-FL5E4-11SD111K4	
Prepared by: JC	Date: 2018/01/25
Approved by: AC	Page: 1 of 1

Product Code: UTP CAT 5E CM PVC

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

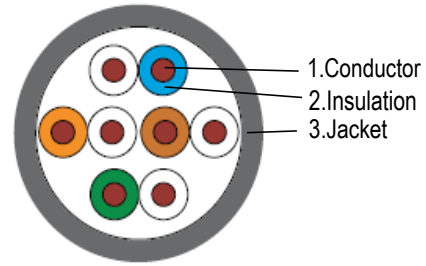
Multi-construction

4 Pair

Cable Construction

1.Conductor	Bare Copper
Construction (mm)	0.50±0.01
2.Insulation	HDPE
Insulation Dia.(mm)	0.92±0.08×2C Twist
3.Jacket	CM PVC
Dia.(mm)	5.20±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-FL5E4-11SD111K4 CM 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

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

Max. Conductor DC Resistance at 20°C (Ω/Km) <104.8
 Rated Temperature(°C) 70

Velocity ratio 68%

Impedance(Ω) 1-100MHz 100±15

Fire Performance: CM
 UL File No. EXXXXXX

