

PGS-FL63-11SD531X4 UTP CAT 6 FEP CMP 23AWG (550MHz)



Revision History

Part No: PGS-FL63-11SD531X4	
Prepared by: JC	Date: 2018/01/25
Approved by: AC	Page: 1 of 1
Product Code: UTP CAT 6 FEP CMP 23AWG (550MHz)	

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)	0.54±0.01
2.Insulation	FEP
Insulation Dia.(mm)	0.92±0.08×2C Twist
3.Filler	FEP Cross Member
4.Jacket	CMP PVC
Thickness	0.45
Dia.(mm)	5.70±0.20
Jacket Color	According to customer
Color	
Insulation color are:	
Blue, White/Blue	Orange, White/Orange
Green, White/Green	Brown, White/Brown

Marking

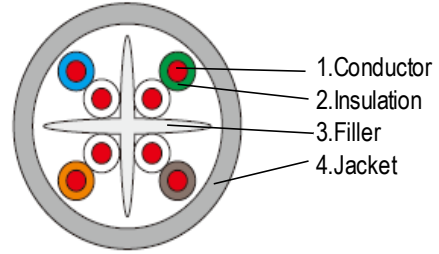
PGS-FL63-11SD531X4 CMP TYPE 23AWG 4PR 75 (UL) EXXXXXX
 ETL VERIFIED to ANSI/TIA-568-C.2 UTP CAT.6 SOLID BARE
 COPPER PT pacTech BATCH NO. RoHS 1000 FT...2FT

Packaging

305M /Box
 500M/Reel

Label

Design



Electrical Characteristics

Performance

Frequency (MHz)	ATTENUATION (dB/100m)	NEXT (dB)	PSNEXT (dB)	RL (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)	PS ELFEXT (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)	75
Velocity ratio	70%
Impedance(Ω)	1-100MHz 100±15 100-250MHz 100±20 250-400MHz 100±25 400-550MHz 100±30

Fire Performance: CMP
 UL File No. EXXXXXX

UL 758/Style 2835
 UL 1581

