

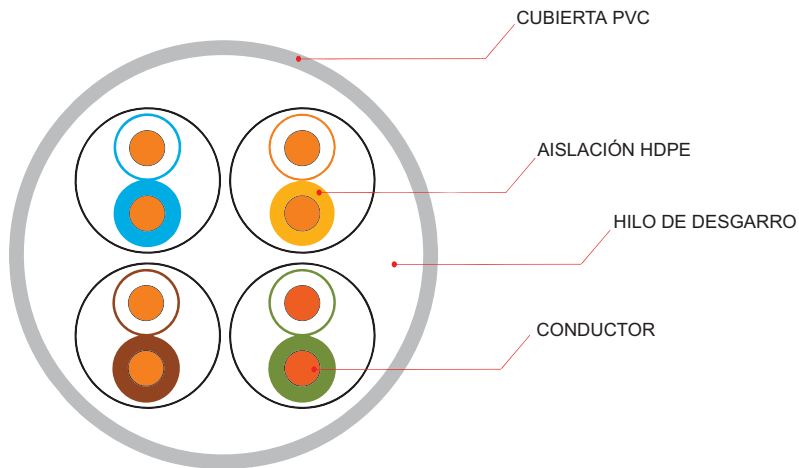
CARACTERISTICAS GENERALES

MARCA	POWERLAN
MODELO	LAN-FAST-UTP-CAT5-1
TIPO	CABLE FAST UTP CAT5E INTERIOR 305 METROS
CATEGORIA	CAT5E
ENTORNO DE INSTALACION	Interior
ESTANDARES DE TRANSMISION	IEEE 802.3:1000BASE-T,100BASE-TX,10BASE-T / IEEE 802.5: 4/6Mbps Token Ring / ANSI X3.263: 100 Mb/s Gigabit Ethernet
APLICACION	ANSI/TIA 568; ISO/IEC 11801; YD/T1019-2013; RoHS Compliant (EU 2011/65/EU + 2015/863)
DESCRIPCION	Cable LAN Categoría 5E utilizado en infraestructuras de telecomunicaciones y redes informáticas. Construido con cuatro pares de conductores trenzados entre sí. Cada par de conductores está trenzado para minimizar la interferencia electromagnética de fuentes externas y para reducir la diafonía entre los pares adyacentes.

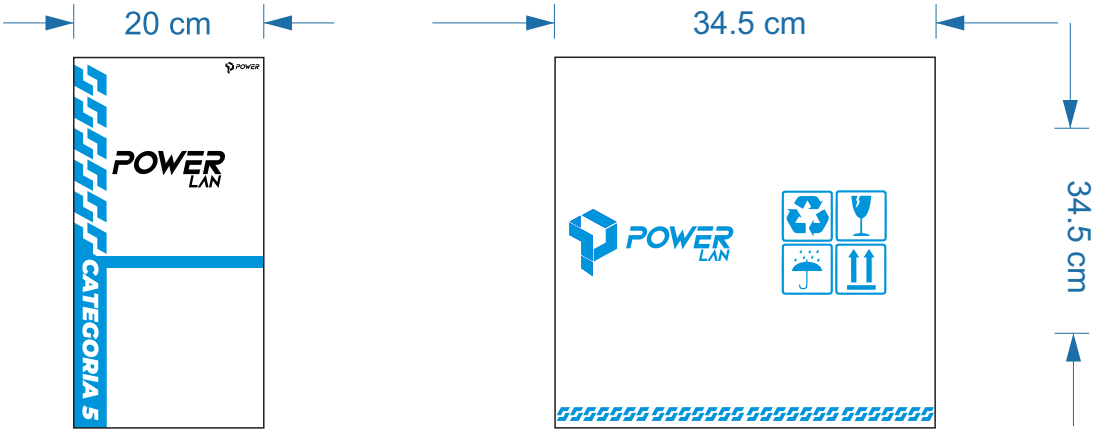
INFORMACION TECNICA

MATERIAL DE CUBIERTA EXTERIOR	PVC
ESPESOR DE CUBIERTA EXTERIOR	0.5 +/- 0.05 mm
DIAMETRO DE CUBIERTA EXTERIOR	5.0 +/- 0.3 mm
COLOR DE CUBIERTA EXTERIOR	Gris
MATERIAL DE AISLACION	HDPE
TIPO DE CONDUCTOR	CCA
CALIBRE CONDUCTOR	24 AWG
DIAMETRO DEL CONDUCTOR	1/0.48 +/- 0.005 mm
CANTIDAD DE CONDUCTORES	8
CANTIDAD DE PARES	4
RESISTENCIA ELECTRICA MAXIMA CC	10 Ω / 100 m
VELOCIDAD NOMINAL DE PROPAGACION (NVP)	69%
ATT	1MHZ (2.0 dB) - 100MHZ (22 dB)
RL	1MHZ (20 dB) - 100MHZ (20.1 dB)
NEXT	1MHZ (62 dB) - 100MHZ (35 dB)

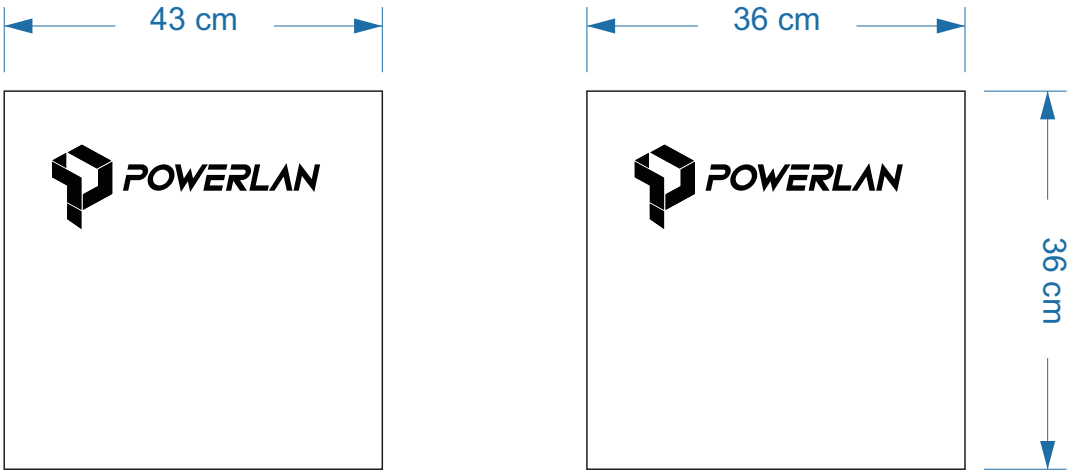
CARACTERISTICAS DE CONSTRUCCION



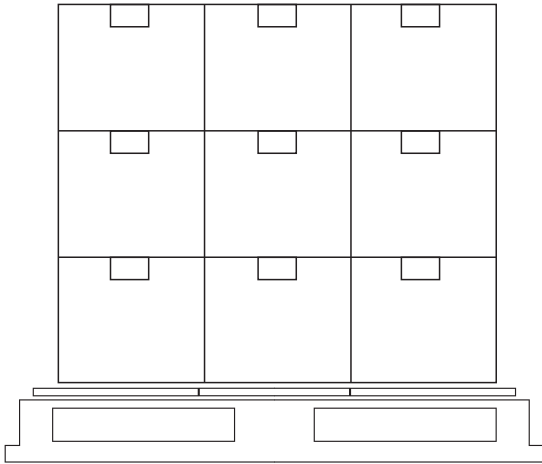
PRESENTACION



PESO NETO	6.5 kg
METRAJE	305 mts



UNIDADES POR CAJA	2
PESO BRUTO TOTAL	15 kg



PESO BRUTO POR CAJA

15 kg

CANTIDAD DE CAJAS POR PALET





Cable ID: LAN-UTP-CAT5-1

Test Limit: TIA Cat 5e Channel

Limits Version: 1.9500

Date / Time: 04/10/2024 10:20:31 AM

Operator: RON

Headroom 5.1 dB (NEXT 4,5-7,8)

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Main: DTX CableAnalyzer

S/N: 2293739

Software Version: 2.7800

Calibration Date: 07/05/2018

Adapter: DTX-CHA002

S/N: MC9E9BH

Test Summary: PASS

Remote: DTX CableAnalyzer

S/N: 2293740

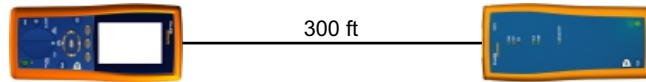
Software Version: 2.7800

Calibration Date: 07/05/2018

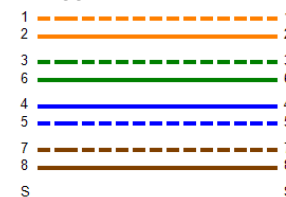
Adapter: DTX-CHA002

S/N: MC9E9LH

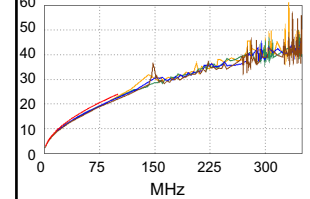
Length (ft), Limit 328	[Pair 7,8]	300
Prop. Delay (ns), Limit 555	[Pair 3,6]	451
Delay Skew (ns), Limit 50	[Pair 3,6]	9
Resistance (ohms)	[Pair 1,2]	25.5
Insertion Loss Margin (dB)	[Pair 1,2]	1.3
Frequency (MHz)	[Pair 1,2]	99.8
Limit (dB)	[Pair 1,2]	24.0



Wire Map (T568B)
PASS

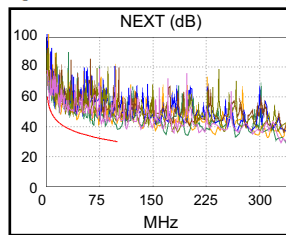


Insertion Loss (dB)

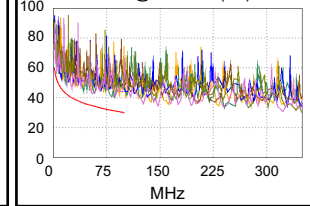


Worst Case Margin Worst Case Value

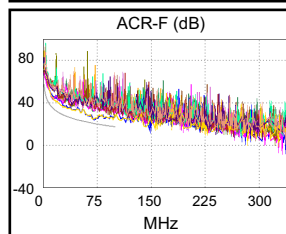
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-7,8	4,5-7,8	1,2-4,5	1,2-4,5
NEXT (dB)	5.1	5.5	8.1	8.7
Freq. (MHz)	4.6	4.8	100.0	85.5
Limit (dB)	52.5	52.3	30.1	31.3
Worst Pair	4,5	4,5	1,2	4,5
PS NEXT (dB)	6.5	6.2	9.2	9.0
Freq. (MHz)	4.6	4.6	100.0	86.0
Limit (dB)	49.5	49.5	27.1	28.2



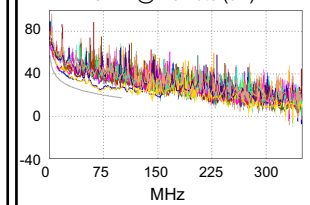
NEXT @ Remote (dB)



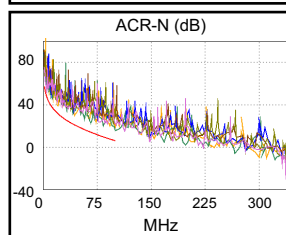
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-1,2	7,8-1,2	1,2-7,8	7,8-1,2
ACR-F (dB)	3.2	3.0	3.3	3.0
Freq. (MHz)	69.5	70.8	70.8	70.8
Limit (dB)	20.6	20.4	20.4	20.4
Worst Pair	1,2	1,2	1,2	1,2
PS ACR-F (dB)	5.6	5.7	5.6	5.7
Freq. (MHz)	69.5	70.8	69.8	70.8
Limit (dB)	17.6	17.4	17.5	17.4



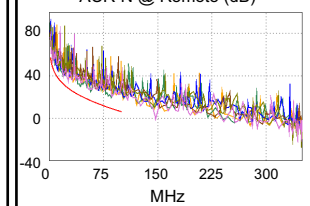
ACR-F @ Remote (dB)



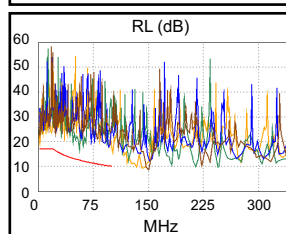
N/A	MAIN	SR	MAIN	SR
Worst Pair	4,5-7,8	4,5-7,8	1,2-4,5	1,2-4,5
ACR-N (dB)	5.4	5.8	9.7	10.2
Freq. (MHz)	4.6	4.8	100.0	85.5
Limit (dB)	47.7	47.5	6.1	9.2
Worst Pair	4,5	4,5	1,2	4,5
PS ACR-N (dB)	6.7	6.4	10.6	10.5
Freq. (MHz)	4.6	4.6	100.0	86.0
Limit (dB)	44.7	44.7	3.1	6.1



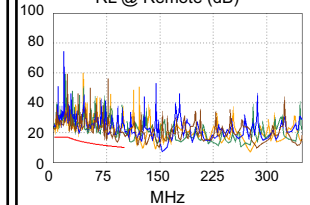
ACR-N @ Remote (dB)



PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6	1,2	3,6	7,8
RL (dB)	4.1	3.1	4.1	3.2
Freq. (MHz)	56.0	2.6	56.0	89.8
Limit (dB)	12.5	17.0	12.5	10.5



RL @ Remote (dB)



Compliant Network Standards:

10BASE-T 100BASE-TX

1000BASE-T 2.5GBASE-T

ATM-51 ATM-155

TR-4 TR-16 Active

100BASE-T4

ATM-25

100VG-AnyLan

TR-16 Passive

LinkWare™ PC Version 11.2

Project: DEFAULT

Site: A

Floor: Not Set

Rack: Not Set

Building: Not Set

Room: Not Set

Patch: Not Set