

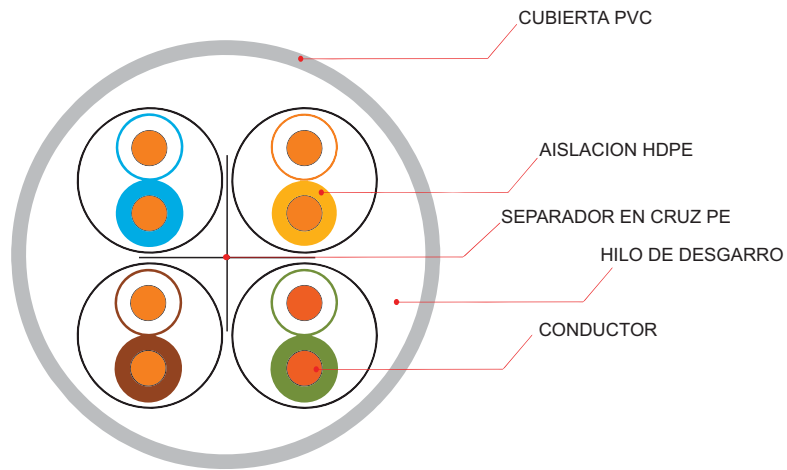
CARACTERISTICAS GENERALES

MARCA	POWERLAN
MODELO	LAN-FAST-UTP-CAT6-1
TIPO	CABLE FAST UTP CAT6 INTERIOR 305 METROS
CATEGORIA	CAT6
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
DESCRIPCION	Cable LAN Categoría 6 utilizado en infraestructuras de telecomunicaciones y redes informáticas. Construido con cuatro pares de conductores trenzados entre sí separados por una cruz de polietileno. Cada par de conductores está trenzado para minimizar la interferencia electromagnética de fuentes externas y para reducir la diafonía entre los pares adyacentes.

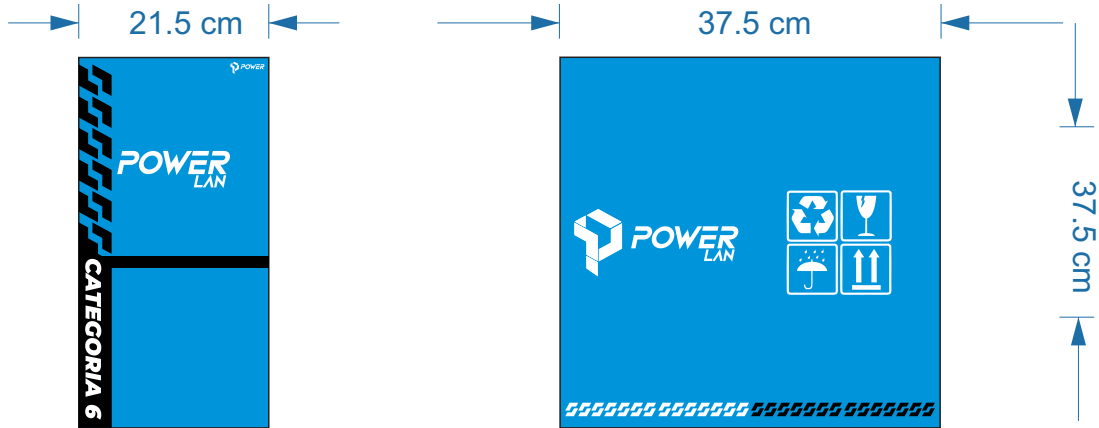
INFORMACION TECNICA

MATERIAL DE CUBIERTA EXTERIOR	PVC
ESPESOR DE CUBIERTA EXTERIOR	0.55 +/- 0.05 mm
DIAMETRO DE CUBIERTA EXTERIOR	5.8 +/- 0.3 mm
COLOR DE CUBIERTA EXTERIOR	Gris
MATERIAL DE SEPARADOR EN CRUZ	PE
MEDIDAS DE SEPARADOR EN CRUZ	4.5 +/- 0.2 mm
MATERIAL DE AISLACION	HDPE
TIPO DE CONDUCTOR	CCA
CALIBRE CONDUCTOR	23 AWG
DIAMETRO DEL CONDUCTOR	1/0.54 +/- 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	4MHZ (3.8 dB) - 250MHZ (32.8 dB)
RL	4MHZ (23 dB) - 250MHZ (17.3 dB)
NEXT	4MHZ (66.3 dB) - 250MHZ (39.3 dB)

CARACTERISTICAS DE CONSTRUCCION



PRESENTACION

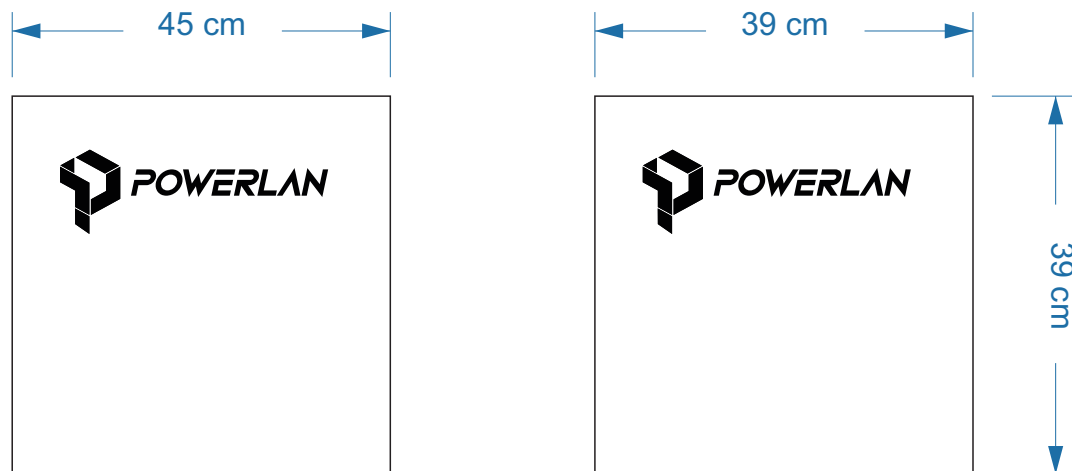


PESO NETO

8.5 kg

METRAJE

305 mts

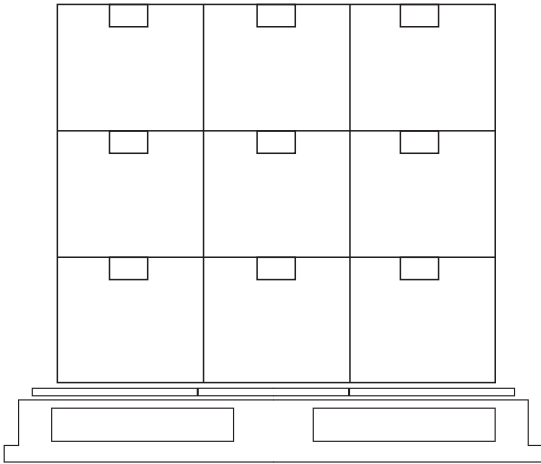


UNIDADES POR CAJA

2

PESO BRUTO TOTAL

19 kg



PESO BRUTO POR CAJA

CANTIDAD DE CAJAS POR PALET





Cable ID: LAN-UTP-CAT6-1

Test Limit: TIA Cat 6 Channel

Limits Version: 1.9500

Date / Time: 04/10/2024 02:42:42 PM

Operator: RON

Headroom 3.9 dB (NEXT 4,5-7,8)

Cable Type: Cat 6 U/UTP

NVP: 81.0%

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 1,2]	331
Prop. Delay (ns), Limit 555	[Pair 3,6]	432
Delay Skew (ns), Limit 50	[Pair 3,6]	17
Resistance (ohms)	[Pair 4,5]	21.5

Insertion Loss Margin (dB)	[Pair 3,6]	3.9
Frequency (MHz)	[Pair 3,6]	249.0
Limit (dB)	[Pair 3,6]	35.9

Worst Case Margin Worst Case Value

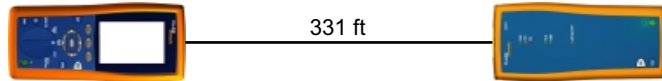
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-7,8	1,2-7,8	4,5-7,8	4,5-7,8
NEXT (dB)	3.9	5.0	5.7	7.1
Freq. (MHz)	76.3	6.6	123.5	167.5
Limit (dB)	41.9	59.5	38.4	36.1
Worst Pair	7,8	7,8	4,5	4,5
PS NEXT (dB)	5.9	5.5	10.7	10.3
Freq. (MHz)	76.3	6.5	245.0	229.5
Limit (dB)	39.1	57.1	30.3	30.8

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)	2.8	2.3	2.9	2.3
Freq. (MHz)	207.0	249.0	249.0	249.0
Limit (dB)	16.9	15.3	15.3	15.3
Worst Pair	7,8	7,8	7,8	7,8
PS ACR-F (dB)	5.1	4.8	5.1	5.1
Freq. (MHz)	249.0	166.5	249.0	248.5
Limit (dB)	12.3	15.8	12.3	12.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	4,5-7,8	1,2-7,8	1,2-4,5	1,2-4,5
ACR-N (dB)	6.2	5.6	15.6	15.2
Freq. (MHz)	76.3	6.6	245.5	229.5
Limit (dB)	23.6	54.3	-2.3	-0.4
Worst Pair	7,8	7,8	4,5	4,5
PS ACR-N (dB)	6.5	6.0	15.3	15.2
Freq. (MHz)	6.6	6.6	245.0	229.5
Limit (dB)	51.8	51.8	-5.2	-3.4

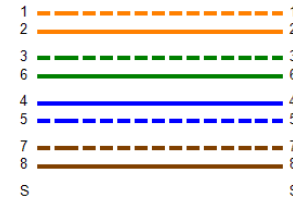
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5	1,2	1,2	7,8
RL (dB)	4.5	3.6	10.4	8.2
Freq. (MHz)	2.8	49.5	248.0	247.5
Limit (dB)	19.0	15.1	8.1	8.1

Compliant Network Standards:
 10BASE-T 100BASE-TX 100BASE-T4
 1000BASE-T 2.5GBASE-T 5GBASE-T
 ATM-25 ATM-51 ATM-155
 100VG-AnyLan TR-4 TR-16 Active
 TR-16 Passive

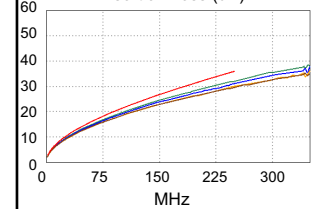


Wire Map (T568B)

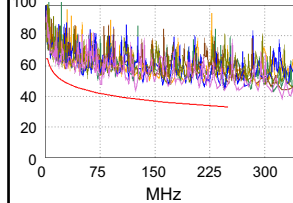
PASS



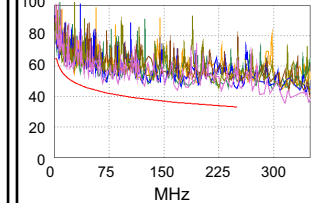
Insertion Loss (dB)



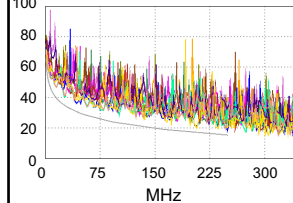
NEXT (dB)



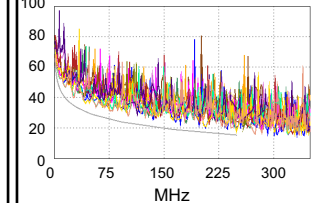
NEXT @ Remote (dB)



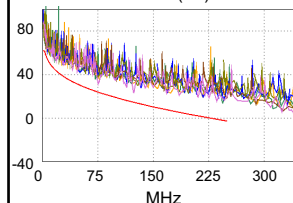
ACR-F (dB)



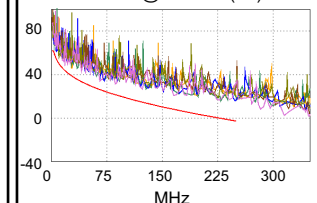
ACR-F @ Remote (dB)



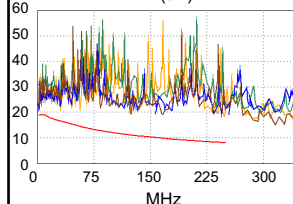
ACR-N (dB)



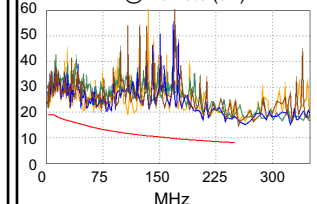
ACR-N @ Remote (dB)



RL (dB)



RL @ Remote (dB)



LinkWare™ PC Version 11.2

Project: DEFAULT
 Site: A
 Floor: Not Set
 Rack: Not Set

Building: Not Set
 Room: Not Set
 Patch: Not Set

FLUKE
networks