

### CARACTERISTICAS GENERALES

---

MARCA	POWERLAN
MODELO	LAN-UTP-CAT6-2
TIPO	CABLE UTP CAT6 EXTERIOR DOBLE CUBIERTA 305 METROS
CATEGORIA	CAT6
ENTORNO DE INSTALACION	Exterior
ESTANDARES DE TRANSMISION	IEEE 802.3:100BASE-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

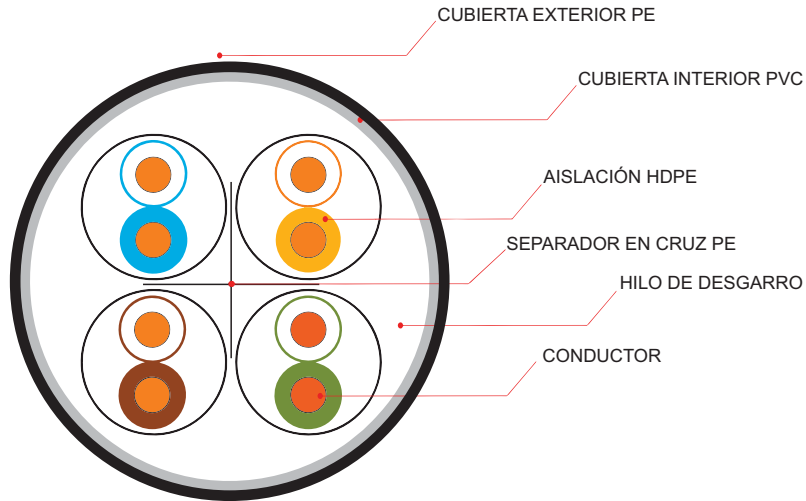
---

MATERIAL DE CUBIERTA EXTERIOR	PE
ESPEJOR DE CUBIERTA EXTERIOR	0.55 +/- 0.05 mm
DIAMETRO DE CUBIERTA EXTERIOR	7.0 +/- 0.3 mm
COLOR DE CUBIERTA EXTERIOR	Negro
MATERIAL DE CUBIERTA INTERIOR	PVC
ESPEJOR DE CUBIERTA INTERIOR	0.55 +/- 0.05 mm
DIAMETRO DE CUBIERTA INTERIOR	6.0 +/- 0.3 mm
COLOR DE CUBIERTA INTERIOR	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	1/0.57 +/- 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%
FRECUENCIA MAXIMA DE OPERACION	250 Mhz



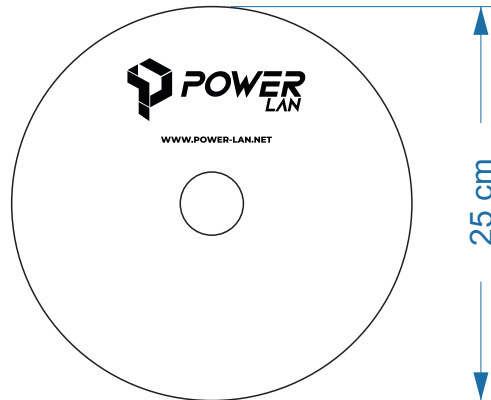
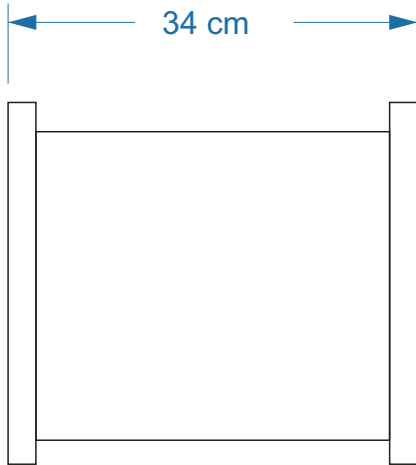
### CARACTERISTICAS DE CONSTRUCCION

---



### PRESENTACION

---

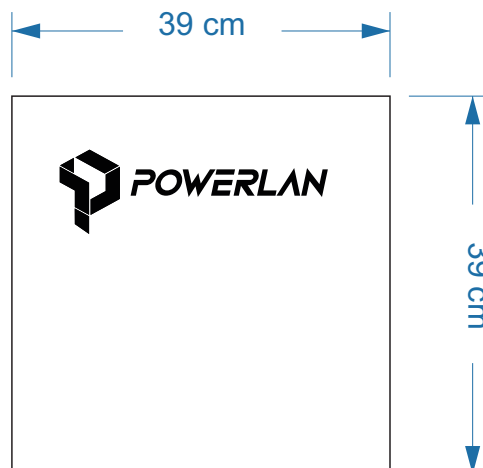
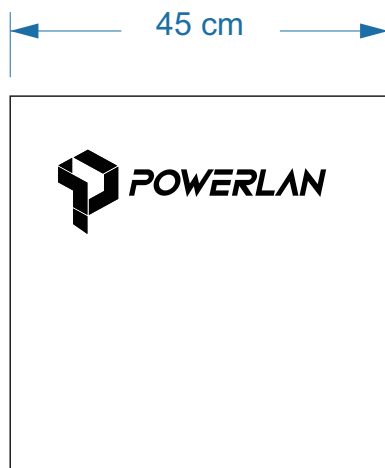


PESO NETO

11.4 kg

METRAJE

305 mts



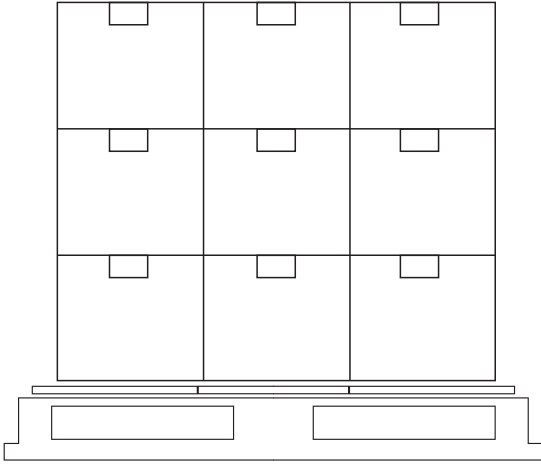
UNIDADES POR CAJA

1

PESO BRUTO TOTAL

13.3 kg





PESO BRUTO POR CAJA

CANTIDAD DE CAJAS POR PALET





### Cable ID: LAN-UTP-CAT6-2

Test Limit: TIA Cat 6 Channel

Limits Version: 1.9500

Date / Time: 04/10/2024 03:03:07 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

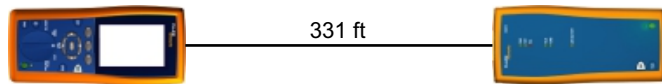
Software Version: 2.7800

Calibration Date: 07/05/2018

Adapter: DTX-CHA002

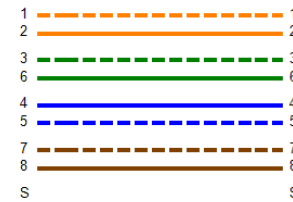
S/N: MC9E9LH

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

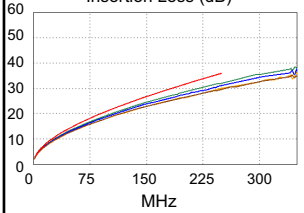


Wire Map (T568B)

PASS

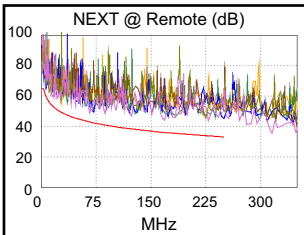
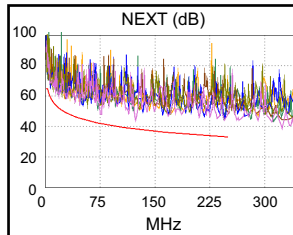


Insertion Loss (dB)

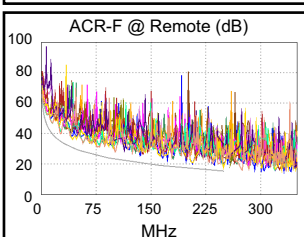
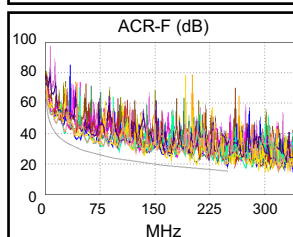


Worst Case Margin Worst Case Value

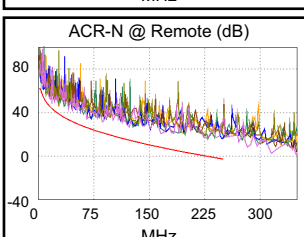
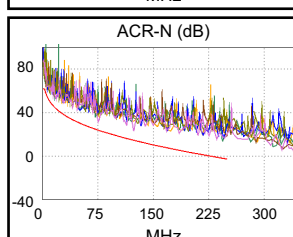
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-7,8	1,2-7,8	4,5-7,8	4,5-7,8
<b>NEXT (dB)</b>	3.9	5.0	5.7	7.1
Freq. (MHz)	76.3	6.6	123.5	167.5
Limit (dB)	41.9	59.5	38.4	36.1
Worst Pair	7,8	7,8	4,5	4,5
<b>PS NEXT (dB)</b>	5.9	5.5	10.7	10.3
Freq. (MHz)	76.3	6.5	245.0	229.5
Limit (dB)	39.1	57.1	30.3	30.8



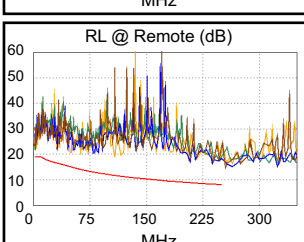
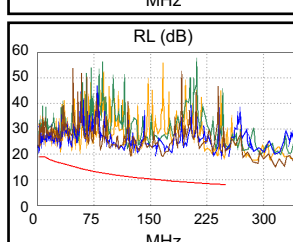
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-1,2	7,8-1,2	1,2-7,8	7,8-1,2
<b>ACR-F (dB)</b>	2.8	2.3	2.9	2.3
Freq. (MHz)	207.0	249.0	249.0	249.0
Limit (dB)	16.9	15.3	15.3	15.3
Worst Pair	7,8	7,8	7,8	7,8
<b>PS ACR-F (dB)</b>	5.1	4.8	5.1	5.1
Freq. (MHz)	249.0	166.5	249.0	248.5
Limit (dB)	12.3	15.8	12.3	12.4



N/A	MAIN	SR	MAIN	SR
Worst Pair	4,5-7,8	1,2-7,8	1,2-4,5	1,2-4,5
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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

LinkWare™ PC Version 11.2

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

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

