

Premises Copper > PowerWise® > UTP > Plenum > 4 Pairs > 22 AWG

4X22 PowerWise® 1G, 4PPoE, 1K FT BrakeBox®

CMP-LP

Part Number: PW52-H46-78

Status: Available



COPPER SPECIFICATIONS

Pair Count	4
Conductor	Solid annealed copper
Conductor Count	8
AWG (mm)	22 (0.64)
Insulation	FEP
Insulation Colors	Color Tip®: Light Blue, Blue, Light Orange, Orange, Light Green, Green, Light Brown, Brown
Heat Dissipation Element	Coated copper
Characteristic Impedance (Ohms)	100 ± 15
Voltage Rating	300
Nominal Velocity of Propagation (%)	74

PHYSICAL CHARACTERISTICS

Nominal Diameter in (mm)	0.23 (5.8)
Nominal Weight lbs/kft (kg/km)	37 (55)
Pallet Quantity (ft)	27000
Package Length	1000
Package Type	BrakeBox®
Packages per Pallet	12

Product Description

PowerWise® 1G 4PPoE cables provide the best performance and overall value for 4 Pair Power over Ethernet (4PPoE) applications requiring up to 100W of power and up to 2.5GBASE-T Ethernet performance. PowerWise® 1G 4PPoE cables are specifically designed to mitigate temperature build-up offer exceptional energy efficiency and ensure performance (up to 2.5GBASE-T Ethernet) over the lifetime of your system. Cable temperature increases are reduced and power efficiency is increased as a result of 22 gauge conductors and the heat dissipation element.

PowerWise® 1G 4PPoE cable provides the performance benefits with a small diameter. Plenum rated conductors are also 100% FEP insulated and ensure cable performance over the life of your system. PowerWise® 1G 4PPoE cables are the best solution to connect and power your 4PPoE and extended distance applications compared to standard category cable designs.

Applications

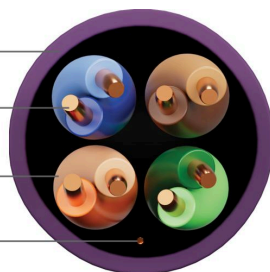
- 10BASE-T through 2.5GBASE-T Ethernet
- Power over Ethernet (PoE) - IEEE 802.3bt Type 1 to 4
- ATM and token ring
- HDBaseT Class A and B

Flame Retardant PVC Jacket

Solid Annealed Copper Conductor

Thermoplastic Insulation

Heat Dissipation Element



MADE IN THE USA



HDBT™

4PPoE

CISCO

Solution Partner

GENERAL SPECIFICATIONS

Jacket	Flame retardant, low smoke PVC
Jacket Color	Purple
End User Application	Enterprise, Residential, LAN
Environment	Indoor
Standards Compliance	UL 444 CSA C22.2 No. 214-08 UL 1666 NFPA 262 ANSI/TIA-568.2-D ANSI/ICEA S-90-661-2012 Article 800, NEC (NFPA 70) RoHS-compliant/RoHS 2-compliant
NRTL Programs	HDBaseT Class A and B UL listed CMP-LP (0.5) c(UL) listed CMP HDBaseT Certified

Features

Benefits

- | | |
|---|---|
| <ul style="list-style-type: none"> • UL Certified Environmental Product Declaration (EPD) • Guaranteed 0.3 dB headroom for IL, ACR and PSACR • Tested 350 MHz • Tested in most severe temperature conditions in bundle of 100 cables • CableID® alpha numeric code printed every 2 feet • QuickCount® marking system in feet and meters • ColorTip® Circuit Identification System • Color coded box labels • HDBaseT Class A and B certified • UL LP listed | <ul style="list-style-type: none"> • Contributes toward 1 LEED point under the Material and Resources credit (MRc) • Performance assurance for exceptional overall channel performance • Assures ample bandwidth Headroom • AWG 22 insulated wire offers 88% power efficiency and lowest temperature increase inside a bundle, the best of its class • Allows both ends of a cable run to be easily identifiable without the need to separately label or tone the cable • Provides remaining length of cable on reel • Easily identifiable conductor mates even in lowlight environments • Easily identifies jacket colors • Ideal for any A/V applications up to 100m channel • Third-party assurance of product safety in high-heat and high-power applications |
|---|---|

- Temperature cable rating: 75°C for CMR and 90°C for CMP
- Heat dissipation element
- Ideal for extended distance over 100m
- Temperature rating of the insulation AND of the jacket provide improved cable lifespan despite high-heat and high-power applications
- Mitigate the heat to same level along the whole distance of the link for improved bandwidth performances
- Guaranteed distance for different applications based on BER test performed by UL at UL facility



Technical Guideline



Cautionary Information

For distance and warranty information, click here to view [TG115 PowerWise® Extended Distance Frequently Asked Questions](#).

SUSTAINABILITY CERTIFICATIONS

