

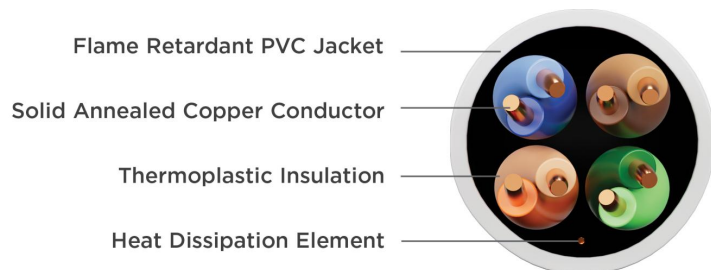
Premises Copper > PowerWise® > UTP > Riser > 4 Pairs > 22 AWG

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

CMR-LP

Part Number: PW52-H46-45

Status: Available



MADE IN THE USA



HDBT™

4PPoE



GENERAL SPECIFICATIONS

Jacket	Flame retardant PVC
Jacket Color	White
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 CMR-LP (0.5) c(UL) listed CMR HDBaseT Certified

COPPER SPECIFICATIONS

Pair Count	4
Conductor	Solid annealed copper
Conductor Count	8
AWG (mm)	22 (0.64)
Insulation	Polyolefin
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 (%)	70

PHYSICAL CHARACTERISTICS

Nominal Diameter in (mm)	0.23 (5.8)
Nominal Weight lbs/kft (kg/km)	28 (42)
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

Features

Benefits

- 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
- 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

