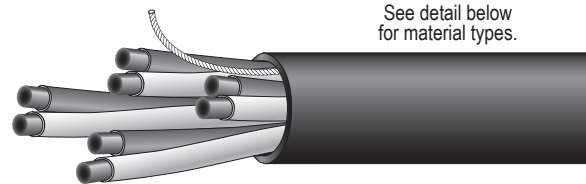


**SPECIFICATION**  
**HW419**

**BELDEN MEDIA TWIST®**

**Exceeds Category 6 Draft 10 Specs**  
**UL Type CMR and CMP**  
**Copper Conductors**



Catalog Number	Size AWG	Number of Pairs	Insulation Thickness Mils	Jacket Thickness Mils	Overall Diameter Inch	Nom Conductor DCR Ohms	Nom. Imp. Ohms	Nom. Vel. of Prop %	Nom. Cap.	Net Weight Lbs/Mft
<b>TYPE CMR</b>										
HW419 1872A	23	4	9.0	20	0.37	27.4	100	70	15	29
<b>TYPE CMP</b>										
HW419 1974A	23	4	8.6	20	0.37	27.4	100	72	15	31

**APPLICATION:**

For use in high speed data transmission in Category 6 applications such as 100 Base TX, 100 Base VG AnyLan, and 155 ATM. Ideal for use in high bandwidth existing or future applications such as 622 ATM and GigaBit Ethernet. Multimedia applications include AES/EBU digital audio and RS-422 machine control, which normally require shielded twisted pairs. Will also support NTSC and PAL composite serial digital video and NTSC/PAL component serial digital video, which normally require coaxial cables. Many of these can be combined for shared-sheath applications – multiple applications using the same cable. UL tested for use with high speed Audio-Video Systems in accordance with FCC Class A Digital Devices at a fundamental frequency of 135 MHz (270 Mbps). Ideal for noisy environments such as running next to power cables and transformers.

**CONDUCTORS:**

Solid soft bare annealed copper per ASTM B-3

**INSULATION:**

- CMR – Polyolefin
- CMP – Fluorinated ethylene propylene (FEP)

**JACKET:**

- CMR – PVC
- CMP – Low smoke PVC (LS PVC)

**FLAME TESTS:**

- CMR – UL 1666 riser Flame Test  
UL 1581 Flame Test  
CSA FT4
- CMP – UL 910 Flame Test  
CSA FT6

**COLOR CODE:**

See Appendix, Chart 4

**ADDITIONAL STANDARDS:**

- CMR – UL Type CMR, CMG, CM, C(UL) Type CMR, CMG, CM
- CMP – UL Type CMP, C(UL) Type CMP
- TIA/EIA Draft 10 Category 6
- TIA/EIA 568B Category 5e
- ISO/IEC 11801 Category 5