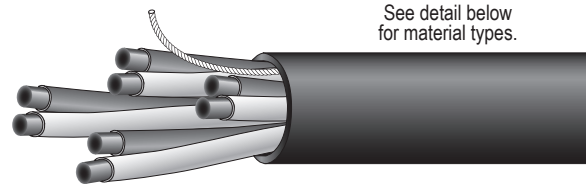


**SPECIFICATION**  
**HW417**

**BELDEN DATA TWIST®**  
**Exceeds Category 5E**  
**UL Type CM, 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 CM</b>										
HW417 1700A	24	4	9	17	0.21	24	100	70	15	27
<b>TYPE CMR</b>										
HW417 1700R	24	4	9	17	0.21	24	100	70	15	27
<b>TYPE CMP</b>										
HW417 1701P	24	4	8	15	0.21	24	100	72	15	25

**APPLICATION:**

For use in high speed data transmission in Category 5e applications such as 10 Base T, 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. 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:**

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

**JACKET:**

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

**FLAME TESTS:**

- CM – UL 1581 Flame Test, CSA FT1
- CMR – UL 1666 Flame Test, CSA FT4
- CMP – UL 910 Flame Test, CSA FT6

**COLOR CODE:**

See Appendix, Chart 4

**ADDITIONAL STANDARDS:**

- CM – UL Type CM, C(UL) Type CM
- CMR – UL Type CMR, C(UL) Type CMR
- CMP – UL Type CMP, C(UL) Type CMP
- ANSI/TIA/EIA 568-B.2 Category 5e
- ISO/IEC 11801 Category 5
- NEMA WC-63.1