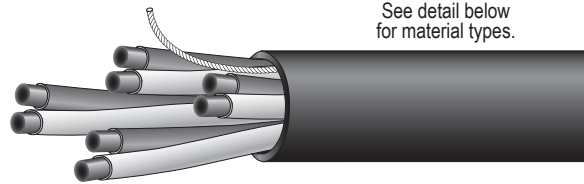


SPECIFICATION
HW413

CATEGORY 3

**UL Type CMR and CMP
Copper Conductors**



Catalog Number	Size AWG	Number of Pairs	Overall Diameter Inch	Net Weight Lbs/Mft
TYPE CMR				
HW413 2402R	24	2	0.12	9
HW413 2403R	24	3	0.14	12
HW413 2404R	24	4	0.16	15
HW413 2406R	24	6	0.19	22
HW413 2412R	24	12	0.24	41
HW413 2425R	24	25	0.33	80
HW413 2450R	24	50	0.47	160
HW413 24100R	24	100	0.64	308
HW413 24200R	24	200	0.85	724
TYPE CMP				
HW413 2402P	24	2	0.14	10
HW413 2403P	24	3	0.15	15
HW413 2404P	24	4	0.17	18
HW413 2406P	24	6	0.20	24
HW413 2412P	24	12	0.28	53
HW413 2425P	24	25	0.40	106
HW413 2450P	24	50	0.56	191
HW413 24100P	24	100	0.77	377
HW413 24200P	24	200	1.10	728

APPLICATION:

For use in high speed data transmission in Category 3 applications such as voice telephony, IEEE 802.3, 10 Base T, and 100 Base T.

CONDUCTORS:

Solid soft bare annealed copper per ASTM B-3

INSULATION:

- CMR – Semi-rigid PVC
- CMP – Semi-rigid PVC

JACKET:

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

FLAME TESTS:

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

COLOR CODE:

See Appendix, Chart 4

ADDITIONAL STANDARDS:

- CMR – UL Type MRP/CMR, C(UL) CMG
- CMP – UL Type MPP/CMP, C(UL) CMP
- TIA/EIA 568-A Category 3
- IEEE 802.3 10 Base T, 100 Base T4
- NEMA WC-63.1