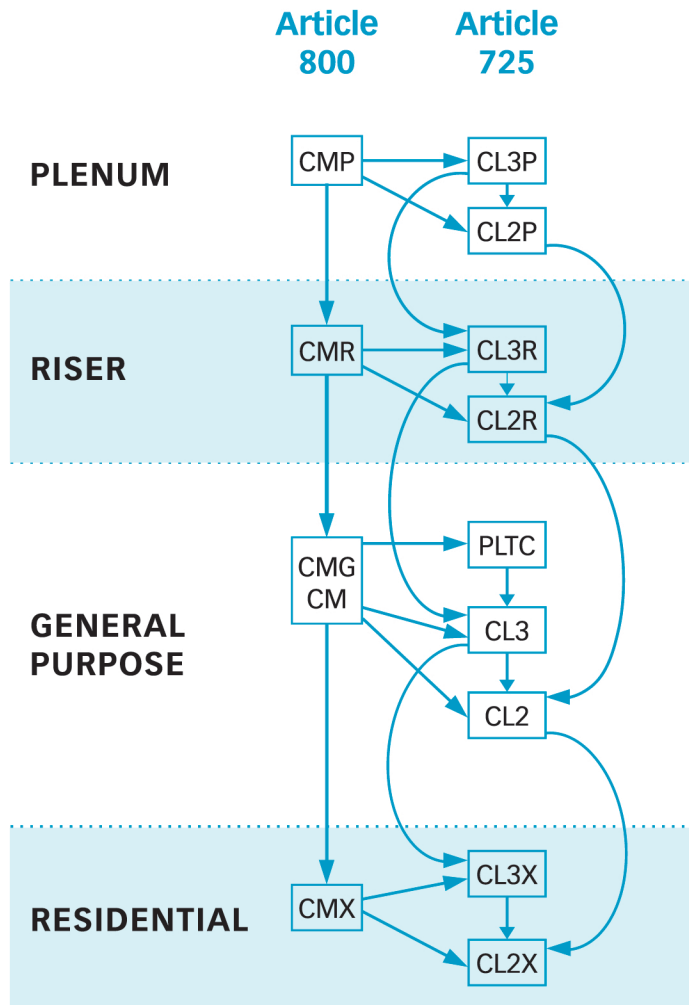


NEC SUBSTITUTION AND HIERARCHY CHART



CABLE TYPES AND SUBSTITUTION PERMISSIONS

Cable Type and Usage	Substitutions
CMP — Communications Plenum Wire and Cable	----
CMR — Communications Riser Wire and Cable	CMP*
CMG — Communications Cable - General Purpose	CMP*, CMR, CM
CM — Communications Cable	CMP*, CMR, CMG
CMX — Communications Cable with Limited Usage	CMP*, CMR, CMG, CM
CL3P — Class 3 Plenum Cable	CMP
CL2P — Class 2 Plenum Cable	CMP, CL3P
CL3R — Class 3 Riser Cable	CMP, CL3P, CMR
CL2R — Class 2 Riser Cable	CMP, CL3P, CL2P, CMR, CL3R
PLTC — Power-limited Tray Cable	N/A
CL3 — Class 3 Cable	CMP, CL3P, CMR, CL3R, CMG, CM, PLTC
CL2 — Class 2 Cable	CMP, CL3P, CL2P, CMR, CL3R, CL2R, CMG, CM, PLTC, CL3
CL3X — Class 3 Cable with Limited Usage	CMP, CL3P, CMR, CL3R, CMG, CM, PLTC, CL3, CMX
CL2X — Class 2 Cable with Limited Usage	CMP, CL3P, CL2P, CMR, CL3R, CL2R, CMG, CM, LTC, CL3, CL2, CMX, CL3X

*CMP substitution only allowed by Article 800

For more details and specifications on application usage, please review articles 800 and 725 of the National Electrical Code.