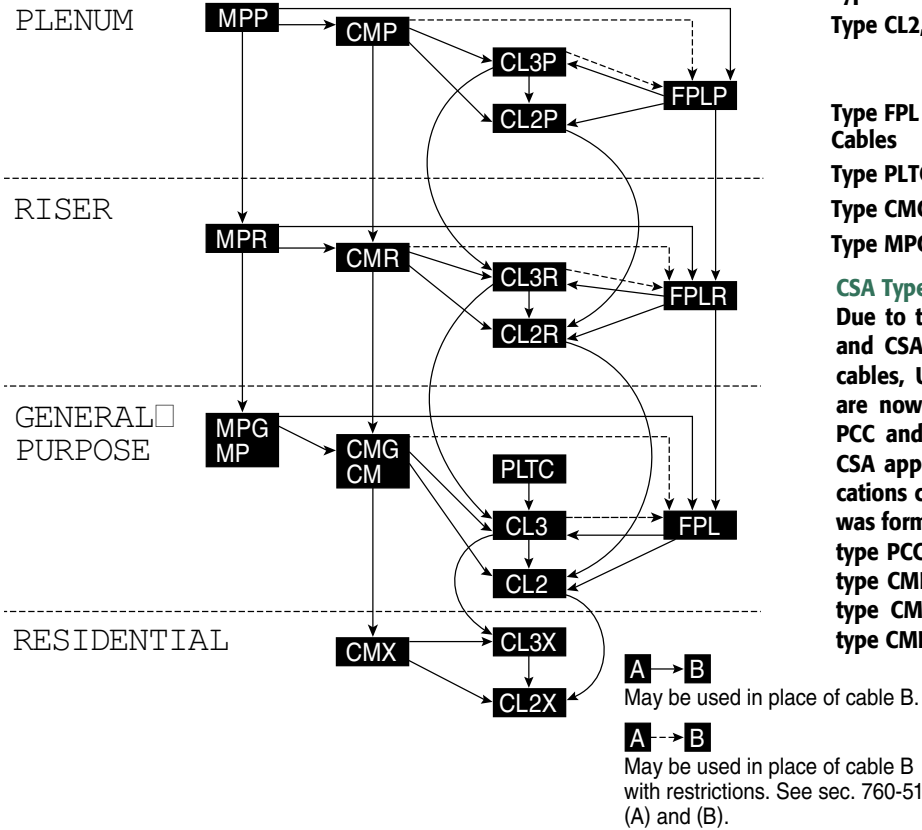


# NEC Hierarchy

## CABLE SUBSTITUTION CHART



- Type MP = Multipurpose Cables
- Type CM = Communications Cables
- Type CL2, CL3 = Class 2 and Class 3 Remote Control, Signaling and Power Limited Cables
- Type FPL Cables = Power-Limited Fire Alarm Cables
- Type PLTC = Power-Limited Tray Cables
- Type CMG = A CM Which Passes CSA FT4
- Type MPG = A MP Which Passes CSA FT4

### CSA Types for Communications Cables

Due to the harmonization of UL subject 444 and CSA C22.2 No. 214 for communications cables, UL and CSA cable type designations are now identical. CSA has obsoleted types PCC and CXC for types CM, CMR, CMP, etc. CSA approval is now indicated on communications cables by a c(UL) mark. A cable which was formerly marked as UL type CMP and CSA type PCC FT6 is now marked as UL and c(UL) type CMP. CSA PCC FT4 cables are now c(UL) type CMG and CSA PCC FT1 are now c(UL) type CMH.

## NEC AND CSA FIRE RESISTANCE LEVELS

Fire Resistance Level	Test Requirement	NEC 725	NEC 760	NEC 800
(Highest) Plenum Cables	UL-910 (Steiner Tunnel) CSA-FT6, CMG (Steiner Tunnel)	CL3P CL2P	FPLP	MPP CMP
Riser Cables Multiple Floors	UL-1666 (Vertical Shaft) CSA-FT4, CMG (Vertical Tray)	CL3R CL2R	FPLR	MPR CMR
General Purpose Cables	UL-1581 (Vertical Tray) CSA-FT4, CMG (Vertical Tray)	CL3 CL2	FPL	MP CM
(Lowest) Residential Cables Restricted Use	UL-1581 VW-1 CSA-FT1	CL3X CL2X		CMX

### Notes:

1. Cables with a higher fire resistance level may be substituted for those with a lower fire resistance level. Except that FT6 must also be marked FT4 for FT4 applications.
2. Cables rated CM may be used in runs penetrating one floor. (NEC 800-53)