

# NEC and CSA Fire Resistance Levels

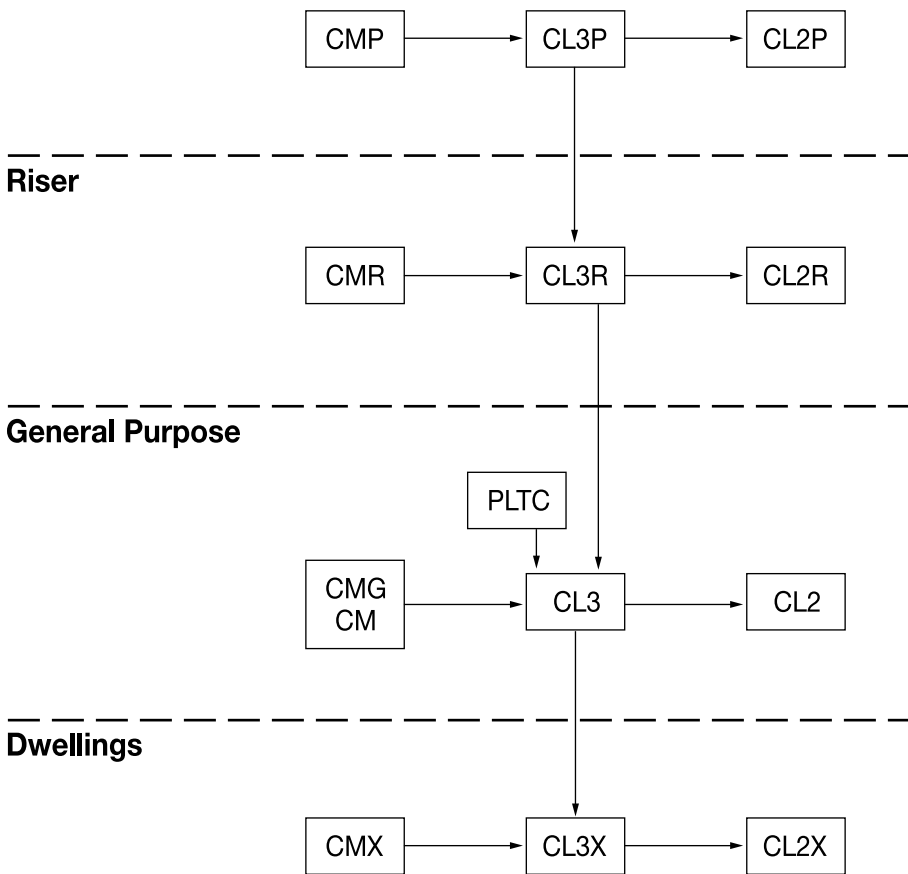
FIRE RESISTANCE LEVEL	TEST REQUIREMENT	NEC ARTICLE		
		800	725	760
<b>(Highest) Plenum Cables</b>	NFPA 262 (Steiner tunnel) CSA-FT6 (Steiner tunnel)	CMP	CL3P CL2P	FPLP
<b>Riser Cables Multiple Floors</b>	UL-1666 (Vertical Shaft) CSA-FT4 (Vertical Tray)	CMR	CL3R CL2R	FPLR
<b>General Purpose Cables</b>	UL-1581 (Vertical Tray) CSA-FT4 (Vertical Tray)	CMG	CL3 CL2	FPL
<b>(Lowest) Residential Cables Restricted Use</b>	UL-1581 VW-1 CSA-FT	CMX	CL3X CL2X	

Communications wire and cable for premise installations are in accordance with Article 800 and other applicable parts of the National Electrical Code (NEC), latest issue. Communications wire and cables for Canada are in accordance with the harmonized Canadian Standard Association C22.2 No. 214, Underwriters Laboratories UL 444, latest issue.

- Notes: 1. Cables with a higher fire resistance level may be substituted for those with a lower fire resistance level.  
 2. Non-fire-rated outside plant telephone cables may not run outside of a rigid metal conduit more than 50 feet from the point of entrance into a building.  
 3. Cables rated CMG or CM may be used in runs penetrating one floor (NEC 800-53).

## Plenum

TYPE	DESCRIPTION
<b>CM</b>	Communications Wires and Cables
<b>CL2 and CL3</b>	Class 2 and Class 3 Remote-Control, Signaling and Power-Limited Cables
<b>PLTC</b>	Power-Limited Tray Cable



(From 2008 NEC Handbook)

**A** → **B** Cable A shall be permitted to be used in place of Cable B