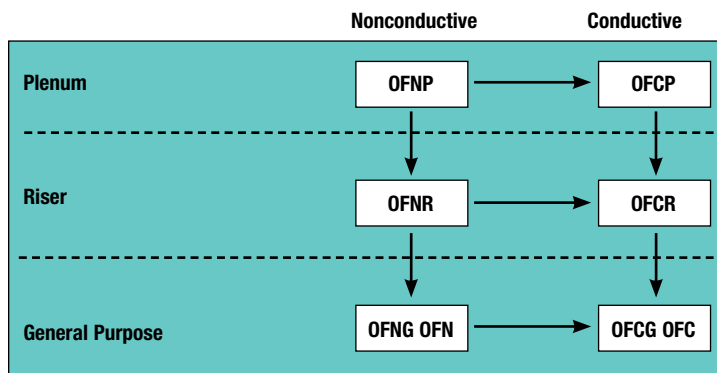


NEC and CSA Fire Resistance Levels

Communications wire and cable for premise installations are in accordance with Article 770, 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.

FIRE RESISTANCE LEVEL	TEST REQUIREMENT	NEC ARTICLE
		770
(Highest) Plenum Cables	NFPA-262 (Steiner tunnel) CSA-FT6 (Steiner tunnel)	OFNP OFCP
Riser Cables Multiple Floors	UL-1666 (Vertical Shaft) CSA-FT4 (Vertical Tray)	OFNR OFCR
General Purpose Cables	UL-1581 (Vertical Tray) CSA-FT4 (Vertical Tray)	OFNG OFN OFCG OFC

- 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. Per the latest NEC issue, listed optical fiber cables are permitted in trays.



A → **B** Cable A may be used in place of cable B

CABLE MARKING	TYPE
OFNP	Nonconductive optical fiber plenum cable
OFCP	Conductive optical fiber plenum cable
OFNR	Nonconductive optical fiber riser cable
OFCR	Conductive optical fiber riser cable
OFNG	Nonconductive optical fiber general-purpose cable
OFCG	Conductive optical fiber general-purpose cable
OFN	Nonconductive optical fiber general-purpose cable
OFC	Conductive optical fiber general-purpose cable