

**TABLE 10:  
NETWORK SERVICES – ACCEPTABLE CONDUCTORS  
AND CONDUIT SIZE**

SIZE OF CONDUCTOR (WIRE SIZES)	DESCRIPTION	RATING PER PHASE (AMPS)	CONDUIT SIZE
#2 AWG* Cu.** For 2-phase, 3-wire, or 3-phase, 4-wire	Cross-link polyethylene insulated with polyvinylchloride jacket on conductor	100 A	100 mm (4")
#4/0 AWG. Cu.	Cross-link polyethylene insulated with polyvinylchloride jacket on conductor	200 A	100 mm (4")
7-conductor network cable consisting of two #4/0 A.W.G. Cu. per phase and one 500 MCM*** Cu. XLPE (USEI 90 cable) neutral	Cross-link polyethylene insulated with polyvinylchloride jacket on conductor	400 A or multiples of 400 A	100 mm (4")

\* American Wire Gauge

\*\* Copper

\*\*\* Thousand Circular Mills

- For network services 400 A and larger, EDTI will supply cable with parallel runs of network service cable. (One 7/C run is 400 A, two 7/C runs is 800 A, three 7/C runs is 1,200 A, and four 7/C runs is 1,600 A.)
- Depending on duct arrangements, pull boxes may be required in the building. For further information, see the [Pull Boxes in Buildings section \(6.17\)](#).
- The maximum length of service conductor permitted in a building is 3.0 m, unless they are mechanically protected in rigid metal conduit, in which case the maximum is 7.5 m.