

Developer/Contractor Supplied Materials

All conduit and service conductor shall meet NEC requirements AND specifications below. Exceptions to these materials must be given by SUB engineering for a specific job.


Short Description	Long Description	Typical Developer Application
2" PVC	2" nominal size, PVC, Schedule 40, Gray	4/0 Triplex or smaller
3" PVC	3" nominal size, PVC, Schedule 40, Gray	350 Triplex or Quad
2" Poly	2" nominal size, High Density Polyethylene (HDPE), SDR 13.5, ASTM F2160, Gray	Trenchless installations
3" Poly	3" nominal size, High Density Polyethylene (HDPE), SDR 13.5, ASTM F2160, Gray	Trenchless installations
Bends	PVC, Schedule 40, Long Sweep (36" radius), Deep Bells	Not to exceed 270 degrees in single pull
Bell Ends	PVC, Schedule 40, Gray	Vault entry
2" Riser Coupler	PVC, Schedule 40, Gray, Deep Socket	Transition to riser
3" Coupler	PVC, Schedule 40, Gray, Deep Socket	Transition to riser
2" PVC-POLY Coupler	AD Technologies, SL602C200	Transition from HDPE to PVC
3" PVC-POLY Coupler	AD Technologies, SL602C300	Transition from HDPE to PVC
Mule Tape	2500 Tensile strength, 1" wide, with foot markers	Tape (not string) blown into conduit
Tracer Wire	Solid Copper #14, rated for direct burial	Secure to outside of empty fiber conduit every 10 feet

Acceptable Service Conductor:

Compressed 600 volt secondary UD cable which meets or exceeds all applicable requirements of ICEA S-105-692 for cross-linked polyethylene insulated conductors and UL Standard 854 for Type USE-2.

All sizes, up to 250 kcmil, as required by NEC are acceptable.

Larger sizes, that are accepted by SUB, are 350, 500 and 750 kcmil. Either copper or aluminum are acceptable. Developer to provide dies and termination lugs, with sufficient quantity for both ends of the service conductor. Each lug must conform to NEMA configuration for 2-hole lugs with 1/2-inch diameter stud holes and 1 3/4-inch hole spacing, center-to-center.

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