THE ESSENTIAL ELEMENTS OF Local Area Network (LAN) SUCCESS

CORNING
LANscape® Solutions

Customer: _____   Date: _____

This **design checklist** covers the basic questions to be considered before building your LAN bill of materials.

CABLING

Environment
- ☐ Indoor
  - ○ High crush potential – recommend armor or duct
  - ○ Horizontal – requires minimum general rating
  - ○ Floor to floor – requires minimum riser rating
  - ○ Within air-handling spaces – requires minimum plenum rating
- ☐ Indoor/Outdoor
  - ○ High crush potential – recommend armor or duct
  - ○ Horizontal – requires minimum general rating
  - ○ Floor to floor – requires minimum riser rating
  - ○ Within air-handling spaces – requires minimum plenum rating
- ☐ Outdoor (allowed only 50 ft exposed within building)
  - ○ Direct buried – recommend armor or duct
- ☐ Industrial/Mining/Petrochemical/Tactical
  - ○ High crush potential – recommend armor or duct

Fiber Requirements
- ☐ Existing fiber network?
- ☐ What bandwidth needed?
- ☐ Fiber distance?
- ☐ Fiber type(s) :   ○ OM1   ○ OM2   ○ OM3   ○ OM4   ○ OS2

CONNECTIVITY

Field Termination Method
- ☐ No-epoxy / No-polish (UniCam®) connectors
- ☐ Hand-polished (Anaerobic) connectors
- ☐ Fusion splicing pigtails

Connector Type
- ☐ Existing electronics or patch panels?
  - ○ Adapter style: ___
- ☐ New electronics or patch panels (see hardware section)?
  - ○ Adapter style: ___

EQUIPMENT AND ACCESSORIES

Termination
- ☐ Cable fan-out kits (if using loose tube or ribbon cable with connectors)
- ☐ Consumables (if fusion splicing or anaerobic connectors)
- ☐ Connector tool kit
- ☐ Fusion splicer

Cable Access
- ☐ Cable access tools

Testing
- ☐ End-to-end attenuation testing?
  - ○ Optical test set
- ☐ Transmit/receiver levels?
  - ○ Optical test set
- ☐ Event loss measurements?
  - ○ Optical Time Domain Reflectometer

Available to rent

HARDWARE
- ☐ Indoor
  - ○ Rack Mount
    - ☐ New rack?
    - ☐ New closet connector housing (patch panel housing)?
    - ☐ Connector panels?
      - ○ Adapter style (should match connector type): _____
    - ☐ Fusion Splicing Pigtails?
      - ○ Splice housing
      - ○ Splice trays
      - ○ Pigtails
      - ○ Heat-shrinks
    - ☐ Armored cable?
      - ○ Grounding kit
    - ☐ Security needed?
      - ○ Lock kit
  - ○ Wall Mount
    - ☐ New housing?
    - ☐ Connector panels?
      - ○ Adapter style (should match connector type): _____
    - ☐ Fusion Splicing?
      - ○ Splice tray holders
      - ○ Splice trays
      - ○ Pigtails
      - ○ Heat-shrinks
    - ☐ Armored cable?
      - ○ Grounding kit
    - ☐ NEMA rating required?
      - ○ Choose Industrial option
    - ☐ Security needed?
- ☐ Outdoor
  - ○ Distribution
    - ☐ New Environmental Distribution Center?
      - ○ Cable entry port fittings
    - ☐ Connector panels?
      - ○ Adapter style (should match connector type): _____
    - ☐ Fusion Splicing Pigtails?
      - ○ Splice trays
      - ○ Pigtails
      - ○ Heat-shrinks
    - ☐ Armored cable?
      - ○ Grounding kit
    - ☐ Security needed?
  - ○ Splicing Closures
    - ☐ Splices needed?
      - ○ Splice trays
      - ○ Heat-shrinks
    - ☐ How many cables are entering/leaving?

Now you're ready to build your bill of materials.
Visit *registration.corning.com/1-BOMCL*.
Need assistance? Call our system engineers
at **800-743-2671** and ask for the Technical Support Desk.

Repeat hardware section for every location where splicing or termination occurs.