

Title (en)
FIBER OPTIC DISTRIBUTION NETWORK FOR MULTIPLE DWELLING UNITS

Title (de)
GLASFASER-VERTEILUNGSNETZWERK FÜR MEHRERE WOHNHEIMEN

Title (fr)
RÉSEAU DE DISTRIBUTION DE FIBRE OPTIQUE POUR UNITÉS RÉSIDENTIELLES MULTIPLES

Publication
EP 2548069 A1 20130123 (EN)

Application
EP 11710103 A 20110316

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Abstract (en)
[origin: WO2011116081A1] A fiber optic network for a multiple dwelling unit (MDU) is disclosed. The fiber optic network comprises a riser cable preconnectorized with a first riser optical connector. The riser cable is optically connected to a feeder cable providing optical communication service to the MDU. The riser cable has one or more preset mid-span access points along the length of the riser cable. One or more optical fibers of the riser cable extend from the riser cable at the one or more preset mid-span access points and are preconnectorized with a second riser optical connector. A first adapter is located at a lower level of the MDU. The first adapter has a first end and a second end and configured to receive the first riser optical connector at the first end of the first adapter. A second adapter is located at one of the one or more distribution levels. The second adapter has a first end and a second end. A payout reel is adapted to pay out the riser cable such that the riser cable extends between the lower level and at least one of the one or more distribution levels. The second adapter is configured to receive the second riser optical connector at the first end of the second adapter and to optically connect a drop cable via the second end of the second adapter to establish optical connection between the feeder cable, the riser cable and the drop cable. The payout reel is adapted to store a length of the riser cable when the first riser optical connector is received by the first adapter and the second riser optical connector is received by the second adapter.

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