



This cable applies to the following Siemens applications/products...

- **Gamma Lighting Control System networking**
- **Siemens PL-Link networks**
- **TRA Applications**
- **DXR Controller-to-QMX3.Pxx wall unit cabling**

Product Guidelines -

- “Gamma” = Siemens’ full-featured commercial lighting control system. All Gamma devices communicate over KNX global open protocol (ISO/IEC 14543-3, ANSI/ASHRAE 125). All standard KNX/EIB cabling rules apply. See Gamma Lighting Control Design Guide, Siemens publication #125-3598.
- “PL-Link” = A KNX network utilizing specific Gamma parts which have been approved for use in DXR controller standard applications.
- “TRA” = Total Room Automation. Marketing term for the functional capabilities of the DXR controller line, wherein a single intelligent controller is able to oversee the coordinated control of HVAC, occupancy, lighting & shading of a given space. DXRs are essentially HVAC controllers which supervise a sub-network of misc devices (Switches, Relays, Lighting Dimmers, Occ Sensors, etc.) communicating over a PL-Link network.
- “QMX3.Pxx” = Line of PL-Link certified “wall units” (smart thermostats in various configurations) specifically designed to communicate with DXR controllers.

* PLEASE NOTE: The DXR controllers themselves communicate via either BACnet MSTP or BACnet IP protocol. Standard BACnet RS-485 & Ethernet cabling rules apply there. The W181P-2252GRB cabling described herein applies only to Gamma Lighting System networking and DXR PL-Link sub-networks.



W181P-2252GRB

1Pair 18AWG Solid Shielded Plenum
Green Jacket
UL TYPE CL3P/CMP/FPLP

CONSTRUCTION

CONDUCTOR: #18 AWG SOLID BARE COPPER

INSULATION: SG PVC

CABLE: 2 CONDUCTORS TWISTED

COLOR CODE: BLACK, RED

SHIELD: ALUMINUM MYLAR TAPE SHIELD WITH 22 AWG 7 STRAND TC DRAIN WIRE

RIP CORD: YES

JACKET: SG PVC, OVERALL O.D.: .148" nom., GREEN

JACKET PRINT: (UL FILE NO.) 18 AWG UL CMP C(UL)US OR (UL) CL3P OR (UL) FPLP 75C FT6 "ROHS II"
REACH MADE IN USA (SEQUENTIAL FOOTAGE MARKERS)

INDUSTRY APPROVALS

NATIONAL ELECTRICAL CODE ARTICLE 725 TYPE CL3P (UL:75c, 150VRMS)

NATIONAL ELECTRICAL CODE ARTICLE 800 TYPE CMP (UL:75c, 300VRMS)

ELECTRICAL PROPERTIES

TEMPERATURE: 75C

SUGGESTED WORKING VOLTAGE: 300V

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