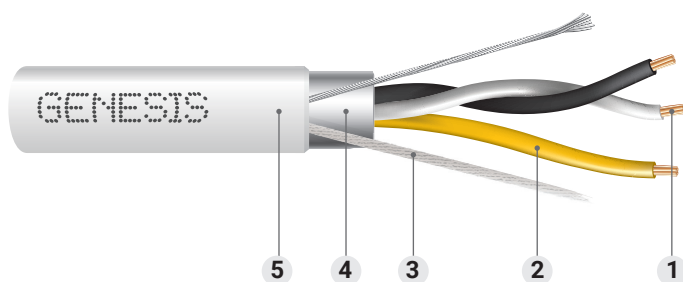


# RS-485 Shielded Cable

## Plenum

# -GENESIS-

Genesis Building Automation Cables deliver reliable high-speed data transmission and optimized performance for today's smart building networks. Designed for the EIA-485 standard.



### Construction

- 1. Conductor:** Bare Copper or Tinned Copper conductors for excellent signal transmission and low voltage drop
- 2. Insulation:** FEP
- 3. Rip Cord:** Durable rip cord for efficient jacket stripping and removal
- 4. Shield:** Foil shield over all conductors
- 5. Jacket:** Plenum PVC  
Countdown® Length Markings for easy tracking of usage and remaining cable



### Applications

- In fabricated ducts as described in NEC 300.22(B)
- In other spaces used for environmental air as described in NEC 300.22(C)
- In risers
- Within buildings in other than air-handling spaces and risers

### Specifications

- NFPA 262 – Plenum Rated
- CSA C22.2 No. 2556 – FT6 Rated
- UL 444 – Communication Cables, Type CMP
- UL 1424 – Cables for Power-Limited Fire-Alarm Circuits, Type FPLP
- UL 13 – Power-Limited Circuit Cables, Type CL3P
- REACH/RoHS Compliant
- Rated for 300 Volts
- Rated for -20°C to 75°C

### Conductor Color Codes: RS-485 Shielded Cable

Pair Number	Color
1	Black/White 
1.5	Yellow 

Except 3328: Black/Red, Blue/White

### Sample Print Legend

GENESIS P/N 3XXX XPR or XC XAWG SHIELDED LOW CAP EIA/TIA 485 E175106 (UL) CL3P OR FPLP OR  
CMP C(UL)US FT6 75C (RoHS) W/O #XXXXXX-XXXXXX XXXX FT A B C D E F 1 2 3 4 5 6 7 8 9

**RS-485 Shielded Cable, Plenum**

Part Number	Conductor Size (AWG)	Number of Conductors	Stranding	Insulation Thickness (in)	Jacket Thickness (in)	Nominal Diameter (in)	DC Resistance (Ohms/1000ft at 20°C)	Capacitance (pF/ft)	Weight (lbs/1000ft)
<b>UL Listed, Bare Copper Conductors</b>									
3319	24	2 (1-pair)	7-strand	0.023	0.015	0.179	26.7	12.5	17.1
3320	22	2 (1-pair)	7-strand	0.024	0.015	0.191	16.9	12.5	20.1
3324	22	3 (1.5 pairs)	7-strand	0.024	0.015	0.204	16.9	12.5	26.7
3328	22	4 (2-pairs)	7-strand	0.024	0.015	0.201	16.9	12.5	32.6
3322	18	2 (1-pair)	19-strand	0.030	0.015	0.249	6.66	12.5	34.2
3323	24	3 (1.5 pairs)	7-strand	0.023	0.015	0.191	26.7	12.5	22.4
<b>ETL Listed, Tinned Copper Conductors</b>									
3251	22	2 (1-pair)	7-strand	0.022	0.015	0.185	16.9	14.5	18.8

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