

# Trunk & Distribution Connectors

## GRS™ 3-Piece, QR+ Series Product Information

Corning  
Gilbert

### GRS QR+ Specifications

Connectors are designed to meet SCTE interface specifications

- Bandwidth: 5 MHz to 1 GHz
- Operating Range: -40 F to +140F
- Nominal Impedance: 75 Ohms
- Return Loss: 32 dB minimum
- Shielding Effectiveness: >130 dB
- Cable Retention: Exceeds cable manufacturers' maximum pulling tension specifications.

### Materials and Construction

- ASTM 6262 aluminum alloy with gold chromate conversion coating for excellent corrosion resistance and a dry film lubricant to preventing thread galling.
- Contact pins are brass with bright acid in plating providing excellent RF conductivity.
- O-rings are ultraviolet and ozone resistant EPDM for maximum durability.

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Broadband Products

### Performance Critical Advantages for QR Cable

Corning Gilbert has added several significant performance enhancements to its GRS 3-piece QR trunk & distribution connector line. The new GRS QR+ Series incorporates a non-metallic support sleeve, which reduces the craft sensitivity of the connector-to-cable interface during the installation process. Additionally, this design will compensate for the expected variability in the cable coring process. The QR+ Series preserves the shielding integrity within the entire bandwidth spectrum, even under extreme environmental conditions, and extends the usable bandwidth range beyond 1 GHz.



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