


Low Loss 50 Ohm Wireless RF Transmission Cable

RG-8X Type

| Description | Part No. | UL NEC/ C(UL) CEC Type | Standard Lengths | | Standard Unit Weight | | Conductor (stranding) Diameter Nom. DCR | Nominal Core OD | | Shielding Materials Nom. DCR | Nominal OD | | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance | | Nominal Attenuation | | |
|-------------|----------|------------------------------|------------------|---|----------------------|----|--|-----------------|----|------------------------------------|------------|----|------------------|-----------------------|---------------------|------|---------------------|----------------|-------------|
| | | | Ft. | m | Lbs. | kg | | Inch | mm | | Inch | mm | | | pF/Ft. | pF/m | MHz | dB/ 100 Ft. | dB/ 100m |

RG-8X Type • 15 AWG Solid .057" Bare Copper Conductor • Duobond® II (100% Coverage) + Tinned Copper Braid Shield (95% Coverage)

Gas-injected Foam HDPE Insulation • Black Polyethylene Jacket


| | | | | | | | | | | | | | | | | | | | | | | |
|---|-------|-------|---|------|-------|------|------|----------------------------|------|------|----------------------------------|------|------|----|-----|------|------|------|------|------|------|--|
|  | RF240 | 7808A | — | 500 | 152.4 | 18.0 | 8.2 | 15 AWG (solid) .057" | .150 | 3.81 | Duobond II* + 95% TC Braid | .240 | 6.10 | 50 | 86% | 23.0 | 75.5 | 30 | 1.3 | 4.1 | | |
| | | | | 1000 | 304.8 | 39.0 | 17.7 | | | | | | | | | | | 50 | 1.6 | 5.3 | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | 150 | 2.8 | 9.3 | |
| | | | | | | | | | | | | | | | | | | | 220 | 3.4 | 11.1 | |
| | | | | | | | | | | | | | | | | | | | 450 | 4.9 | 16.1 | |
| | | | | | | | | | | | | | | | | | | | 900 | 7.0 | 22.9 | |
| | | | | | | | | | | | | | | | | | | | 1500 | 9.1 | 30.0 | |
| | | | | | | | | | | | | | | | | | | | 1800 | 10.1 | 33.2 | |
| | | | | | | | | | | | | | | | | | | | 2000 | 10.7 | 35.0 | |
| | | | | | | | | | | | | | | | | | | 2500 | 12.0 | 39.5 | | |
| | | | | | | | | | | | | | | | | | | 3000 | 13.4 | 43.9 | | |
| | | | | | | | | | | | | | | | | | | 4500 | 16.7 | 54.7 | | |
| | | | | | | | | | | | | | | | | | | 5800 | 19.5 | 64.0 | | |
| | | | | | | | | | | | | | | | | | | 6000 | 19.8 | 65.0 | | |

100% Sweep tested. 6 GHz. Max. VSWR 1.25:1.

Belden® The Wire in Wireless.

Mates with standard RG-8X connectors.**
Suitable for Outdoor and Direct Burial applications.

Gas-injected Foam HDPE Insulation • Black PVC Jacket


| | | | | | | | | | | | | | | | | | | | | | | | |
|---|-------|-------|-------------|-----------------|-------|------|------|----------------------------|------|------|----------------------------------|------|------|----|-----|------|------|----|------|------|------|------|--|
|  | RF240 | 7808R | NEC: CMR | 500 | 152.4 | 20.0 | 9.1 | 15 AWG (solid) .057" | .150 | 3.81 | Duobond II* + 95% TC Braid | .240 | 6.10 | 50 | 86% | 23.0 | 75.5 | 30 | 1.3 | 4.1 | | | |
| | | | | 1000 | 304.8 | 44.0 | 20.0 | | | | | | | | | | | 50 | 1.6 | 5.3 | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | GEC: CMG FT4 | | | | | | | | | | | | | | | | 150 | 2.8 | 9.3 | |
| | | | | | | | | | | | | | | | | | | | | 220 | 3.4 | 11.1 | |
| | | | | | | | | | | | | | | | | | | | | 450 | 4.9 | 16.1 | |
| | | | | | | | | | | | | | | | | | | | | 900 | 7.0 | 22.9 | |
| | | | | | | | | | | | | | | | | | | | | 1500 | 9.1 | 30.0 | |
| | | | | | | | | | | | | | | | | | | | | 1800 | 10.1 | 33.2 | |
| | | | | | | | | | | | | | | | | | | | | 2000 | 10.7 | 35.0 | |
| | | | | | | | | | | | | | | | | | | | 2500 | 12.0 | 39.5 | | |
| | | | | | | | | | | | | | | | | | | | 3000 | 13.4 | 43.9 | | |
| | | | | | | | | | | | | | | | | | | | 4500 | 16.7 | 54.7 | | |
| | | | | | | | | | | | | | | | | | | | 5800 | 19.5 | 64.0 | | |
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100% Sweep tested. 6 GHz. Max. VSWR 1.25:1.

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Gas-injected Foam HDPE Insulation • Flooded Water-resistant Black Polyethylene Jacket

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|-------|--------|---|------|-------|------|------|----------------------------|------|------|----------------------------------|------|------|----|-----|------|------|----|------|------|------|------|--|
|  | RF240 | 7808WB | — | 500 | 152.4 | 18.0 | 8.2 | 15 AWG (solid) .057" | .150 | 3.81 | Duobond II* + 95% TC Braid | .240 | 6.10 | 50 | 86% | 23.0 | 75.5 | 30 | 1.3 | 4.1 | | | |
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100% Sweep tested. 6 GHz. Max. VSWR 1.25:1.

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BC = Bare Copper • DCR = DC Resistance • HDPE = High-density Polyethylene • TC = Tinned Copper

*Duobond II = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage).

**Please consult Belden's website, www.belden.com, for complete listing.