


Low Loss 50 Ohm Wireless RF Transmission Cable

Series RF600

| 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 |

5.5 AWG Solid .176" Bare Copper-covered Aluminum Conductor • Duobond® II (100% Coverage) + Tinned Copper Braid (85% Coverage)


Foam HDPE Insulation • Black Polyethylene Jacket

| | | | | | | | | | | | | | | | | | | | |
|---|------------------------------------|------|------|-------|-------|------|---|------|-------|--|------|-------|----|-----|------|------|------|-----|------|
| 80°C | 7977A <small>new</small> | — | 500 | 152.4 | 73.5 | 33.4 | 5.5 AWG (solid) .176" BCCA .5Ω/M' 1.7Ω/km | .455 | 11.56 | Duobond II* + 85% TC Braid 1.8Ω/M' 5.9Ω/km | .590 | 14.99 | 50 | 85% | 24.6 | 80.7 | 30 | .5 | 1.5 |
| | | | 1000 | 304.8 | 145.0 | 65.8 | | | | | | | | | | | 50 | .6 | 2.0 |
|  | | | | | | | | | | | | | | | | | 150 | 1.0 | 3.2 |
| | | | | | | | | | | | | | | | | | 220 | 1.2 | 3.9 |
| | | | | | | | | | | | | | | | | | 450 | 1.7 | 5.6 |
| | | | | | | | | | | | | | | | | | 900 | 2.5 | 8.3 |
| | | | | | | | | | | | | | | | | | 1500 | 3.4 | 11.2 |
| | | | | | | | | | | | | | | | | | 1800 | 3.8 | 12.4 |
| | | | | | | | | | | | | | | | | | 2000 | 4.0 | 13.2 |
| | | | | | | | | | | | | | | | | | 2500 | 4.6 | 15.0 |
| | | | | | | | | | | | | | | | | | 3000 | 5.1 | 16.6 |
| | | | | | | | | | | | | | | | | | 3500 | 5.6 | 18.2 |
| 4500 | 6.4 | 21.1 | | | | | | | | | | | | | | | | | |
| 5800 | 7.6 | 24.8 | | | | | | | | | | | | | | | | | |
| 6000 | 7.8 | 25.4 | | | | | | | | | | | | | | | | | |

100% Sweep tested.
Belden® The Wire in Wireless.

Suitable for Outdoor applications and Aerial applications when supported by a Messenger wire.


Foam HDPE Insulation • Black PVC Jacket

| | | | | | | | | | | | | | | | | | | | |
|---|------------------------------------|--------------------------------|------|-------|-------|------|---|------|-------|--|------|-------|----|-----|------|------|------|-----|------|
| 80°C | 7977R <small>new</small> | NEC: CMR CEC: CMG FT4 | 500 | 152.4 | 89.5 | 40.6 | 5.5 AWG (solid) .176" BCCA .5Ω/M' 1.7Ω/km | .455 | 11.56 | Duobond II* + 85% TC Braid 1.8Ω/M' 5.9Ω/km | .590 | 14.99 | 50 | 84% | 24.6 | 80.7 | 30 | .5 | 1.5 |
| | | | 1000 | 304.8 | 173.0 | 78.5 | | | | | | | | | | | 50 | .6 | 2.0 |
|  | | | | | | | | | | | | | | | | | 150 | 1.0 | 3.2 |
| | | | | | | | | | | | | | | | | | 220 | 1.2 | 3.9 |
| | | | | | | | | | | | | | | | | | 450 | 1.7 | 5.6 |
| | | | | | | | | | | | | | | | | | 900 | 2.5 | 8.3 |
| | | | | | | | | | | | | | | | | | 1500 | 3.4 | 11.2 |
| | | | | | | | | | | | | | | | | | 1800 | 3.8 | 12.4 |
| | | | | | | | | | | | | | | | | | 2000 | 4.0 | 13.2 |
| | | | | | | | | | | | | | | | | | 2500 | 4.6 | 15.0 |
| | | | | | | | | | | | | | | | | | 3000 | 5.1 | 16.6 |
| | | | | | | | | | | | | | | | | | 3500 | 5.6 | 18.2 |
| 4500 | 6.4 | 21.1 | | | | | | | | | | | | | | | | | |
| 5800 | 7.6 | 24.8 | | | | | | | | | | | | | | | | | |
| 6000 | 7.8 | 25.4 | | | | | | | | | | | | | | | | | |

100% Sweep tested.
Belden® The Wire in Wireless.

Suitable for Outdoor applications and Aerial applications when supported by a Messenger wire.

Foam HDPE Insulation • Flooded Water-resistant Black Polyethylene Jacket

| | | | | | | | | | | | | | | | | | | | |
|---|-------------------------------------|------|------|-------|-------|------|---|------|-------|--|------|-------|----|-----|------|------|------|-----|------|
| 80°C | 7977WB <small>new</small> | — | 500 | 152.4 | 74.0 | 33.6 | 5.5 AWG (solid) .176" BCCA .5Ω/M' 1.7Ω/km | .455 | 11.56 | Duobond II* + 85% TC Braid 1.8Ω/M' 5.9Ω/km | .590 | 14.99 | 50 | 85% | 24.6 | 80.7 | 30 | .5 | 1.5 |
| | | | 1000 | 304.8 | 146.0 | 66.3 | | | | | | | | | | | 50 | .6 | 2.0 |
|  | | | | | | | | | | | | | | | | | 150 | 1.0 | 3.2 |
| | | | | | | | | | | | | | | | | | 220 | 1.2 | 3.9 |
| | | | | | | | | | | | | | | | | | 450 | 1.7 | 5.6 |
| | | | | | | | | | | | | | | | | | 900 | 2.5 | 8.3 |
| | | | | | | | | | | | | | | | | | 1500 | 3.4 | 11.2 |
| | | | | | | | | | | | | | | | | | 1800 | 3.8 | 12.4 |
| | | | | | | | | | | | | | | | | | 2000 | 4.0 | 13.2 |
| | | | | | | | | | | | | | | | | | 2500 | 4.6 | 15.0 |
| | | | | | | | | | | | | | | | | | 3000 | 5.1 | 16.6 |
| | | | | | | | | | | | | | | | | | 3500 | 5.6 | 18.2 |
| 4500 | 6.4 | 21.1 | | | | | | | | | | | | | | | | | |
| 5800 | 7.6 | 24.8 | | | | | | | | | | | | | | | | | |
| 6000 | 7.8 | 25.4 | | | | | | | | | | | | | | | | | |

100% Sweep tested.
Belden® The Wire in Wireless.

Suitable for Outdoor and Direct Burial applications and Aerial applications when supported by a Messenger wire.

BCCA = Bare Copper-covered Aluminum • DCR = DC Resistance • HDPE = High-density Polyethylene • TC = Tinned Copper

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