

Line Level Analog Audio Cables

Single- and Double-Pair Cables

Audio-Connect



| De-scription | Part No. | UL NEC/ C(UL)/CEC Type IEC | Standard Lengths | | Standard Unit Weight | | Conductor (Stranding) Diameter Nom. DCR | Nominal Insulation OD | | Shielding Material Nom. DCR | Nominal OD | | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance | | Color Code | |
|--|--------------|---|------------------|-------|----------------------|------|---|-----------------------|------|---|------------|------|---------------|--------------------|---------------------|------|------------|--------------------------|
| | | | ft. | m | lbs. | kg | | inch | mm | | inch | mm | | | pF/ft. | pF/m | | |
| 24 AWG • Stranded (7x32) 0.6 mm Tinned Copper Conductors • Twisted Pair • Overall Beldfoil® Shield • 24 AWG Tinned Copper Drain Wire | | | | | | | | | | | | | | | | | | |
| Polypropylene Insulation • Grey PVC Jacket | | | | | | | | | | | | | | | | | | |
| 300V RMS | 1883A | NEC: | U-1000 | U-305 | 11.0 | 5.0 | 0.61 mm | 0.040 | 1.02 | Overall Beldfoil® + Drain Wire (24 AWG TC) | 0.123 | 3.12 | 52 | - | CDR/CDR | 31 | 101 | Black, Red |
| 75°C | | CMR | 1000 | 305 | 11.0 | 5.0 | 24 AWG | CDR/SCR | 58 | | | | | | 190 | | | |
| | | CEC: | | | | | (7x32) TC | | | | | | | | | | | |
| | | CMG FT4 | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| 0.22 mm ² | | U-305 m put-up also available in Brown, Red, Orange, Yellow, Green, Blue, Violet, White or Black. Jacket and shield are bonded so both can be removed with automatic stripping equipment. Pulling Tension: 71 N | | | | | | | | | | | | | | | | |
| 24 AWG • Stranded (19x36) 0.6 mm High-Conductivity (Oxygen-Free) Tinned Copper • Twisted Pair • Overall Beldfoil® Shield (Unbonded) • 24 AWG Tinned Copper Drain Wire • Noise Reducing Tape | | | | | | | | | | | | | | | | | | |
| High-density Polyethylene Insulation • Black PVC Jacket | | | | | | | | | | | | | | | | | | |
| 200V RMS | 9452 | NEC: | U-500 | U-152 | 6.6 | 3.0 | 0.61 mm | 0.040 | 1.02 | Overall Beldfoil® + Drain Wire (24 AWG TC) | 0.135 | 3.43 | 56 | - | CDR/CDR | 30 | 98 | Black, Red |
| 75°C | | CMR | 500 | 152 | 6.0 | 2.7 | 24 AWG | CDR/SCR | 58 | | | | | | 190 | | | |
| | | CEC: | U-1000 | U-305 | 12.0 | 5.4 | (19x36) TC | | | | | | | | | | | |
| | | CMG FT4 | 1000 | 305 | 12.0 | 5.4 | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| Shorting Fold | | Pulling Tension: 79 N | | | | | | | | | | | | | | | | |
| 0.22 mm ² | | | | | | | | | | | | | | | | | | |
| 22 AWG • Stranded (7x30) 0.8 mm Tinned Copper • Twisted Pair • Overall Beldfoil® Shield • 22 AWG Tinned Copper Drain Wire | | | | | | | | | | | | | | | | | | |
| Polypropylene Insulation • PVC Jacket (Black, Grey, Brown, Red, Orange, Yellow, Green, Blue, Violet and White) | | | | | | | | | | | | | | | | | | |
| 300V RMS | 9451 | NEC: | U-500 | U-152 | 8.0 | 3.6 | 0.76 mm | 0.050 | 1.27 | Overall Beldfoil® + Drain Wire (22 AWG TC) | 0.135 | 3.43 | 45 | - | CDR/CDR | 35 | 115 | Black, Red |
| 75°C | | CMR | 500 | 152 | 8.0 | 3.6 | 22 AWG | CDR/SCR | 67 | | | | | | 220 | | | |
| | | CEC: | T-1000 | T-305 | 18.0 | 8.2 | (7x30) TC | | | | | | | | | | | |
| | | CMG FT4 | U-1000 | U-305 | 16.0 | 7.3 | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| 0.34 mm ² | | U-152 m, 152 m and T-305 m put-ups available in Grey only. The jacket and shield are bonded so both can be removed with automatic stripping equipment. Drain wire is inside foil shield. Pulling Tension: 120 N | | | | | | | | | | | | | | | | |
| 22 AWG • Stranded (7x30) 0.8 mm TC • Twisted Pair • Overall Beldfoil® Shield (Unbonded) • 22 AWG Tinned Copper Drain Wire | | | | | | | | | | | | | | | | | | |
| Polyethylene Insulation • Paper Wrap • PVC Jacket (Black or Grey) | | | | | | | | | | | | | | | | | | |
| 300V RMS | 8451 | NEC: | 100 | 31 | 2.3 | 1.0 | 0.76 mm | 0.050 | 1.27 | Overall Beldfoil® + Drain Wire (22 AWG TC) | 0.138 | 3.51 | 45 | - | CDR/CDR | 34 | 112 | Black, Red |
| 75°C | | CMR | U-500 | U-152 | 8.5 | 3.9 | 22 AWG | CDR/SCR | 67 | | | | | | 220 | | | |
| | | CEC: | 500 | 152 | 8.0 | 3.6 | (7x30) TC | | | | | | | | | | | |
| | | CMR | U-1000 | U-305 | 16.0 | 7.3 | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| Z-Fold® | | | | | | | | | | | | | | | | | | |
| 0.34 mm ² | | 31 m put-up available in Black only. Pulling Tension: 120 N | | | | | | | | | | | | | | | | |
| Belden's miniature type broadcast audio and instrumentation cables occupy 1/2 to 2/3 less space than standard cables. Unique paper separator facilitates jacket stripping. | | | | | | | | | | | | | | | | | | |
| 22 AWG • Stranded (7x30) 0.8 mm Tinned Copper • Dual Pairs • Overall Beldfoil® Shield (Unbonded) • 24 AWG Tinned Copper Drain Wire | | | | | | | | | | | | | | | | | | |
| Polypropylene Insulation • Chrome PVC Jacket | | | | | | | | | | | | | | | | | | |
| 80°C | 8728 | NEC: | U-500 | U-152 | 15.0 | 6.8 | 0.76 mm | 0.050 | 1.27 | Individual Beldfoil® + Drain Wire (24 AWG TC) + Overall Beldfoil® | 0.215 | 5.46 | 50 | - | CDR/CDR | 35 | 115 | Black, Red, Green, White |
| UL AWM Style 2717 | | CM | 500 | 152 | 15.5 | 7.0 | 22 AWG | CDR/SCR | 62 | | | | | | 203 | | | |
| | | CEC: | U-1000 | U-305 | 30.0 | 13.6 | (7x30) TC | | | | | | | | | | | |
| | | CM | 1000 | 305 | 31.0 | 14.1 | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| 0.34 mm ² | | Each pair Beldfoil shielded with individual drain wire plus polyester film over each shield. Pulling Tension: 161 N | | | | | | | | | | | | | | | | |
| Meets NEC Article 800 | | | | | | | | | | | | | | | | | | |

TC = Tinned Copper • DCR = DC resistance • SCR = Capacitance between one conductor and other conductors connected to shield. • CDR = Capacitance between conductors

Analog Multi-Pair Snake Cables

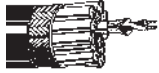
Flexible, Field Use, Rugged-Stage Cables
Individually Shielded and Jacketed Pairs



| De- scription | Part No. | UL NEC/ C(UL)CEC Type IEC | Standard Lengths | | Standard Unit Weight | | Conductor (Stranding) Diameter Nom. DCR | Nominal Insulation OD | | Shielding Material Nom. DCR | Nominal OD | | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance | | Color Code |
|------------------|-------------|---------------------------------|---------------------|---|-------------------------|----|--|--------------------------|----|-----------------------------------|------------|----|---------------------|--------------------------|---------------------|------|------------|
| | | | ft. | m | lbs. | kg | | inch | mm | | inch | mm | | | pF/ft. | pF/m | |

26 AWG • Stranded (18x0.1) 0.5 mm TC • Each Pair Individually TC Spiral Braid • Numbered PVC Jackets • Overall > 80% TC Braid

| Polyethylene Insulation • Overall Black PVC Jacket | | | | | | | | | | | | | | | | | |
|---|----------------|---------|------|-----|-------|-------|----------------------------------|-------|------|---|-------|-------|-------|--------------------|----------|-----------|------------|
| 100V RMS 75°C | | | | | | | 0.48 mm 26 AWG (18x0.1) TC | 0.041 | 1.05 | Individual Spiral Serve > 90% TC Braid + Overall Braid | | 95 | - | CDR/CDR CDR/SCR | 18 34 | 60 110 | White, Red |
| | | | | | | | | | | Jacketed Pairs O.D.: | 0.122 | 3.10 | | | | | |
| 0.14 mm ² | BE46312 | 4-Pair | 1640 | 500 | 212.5 | 96.4 | | | | | | 0.492 | 12.50 | | | | |
| | BE46313 | 8-Pair | 1640 | 500 | 323.6 | 146.8 | | | | | | 0.591 | 15.00 | | | | |
| | BE46315 | 12-Pair | 1640 | 500 | 374.6 | 169.9 | | | | | | 0.638 | 16.20 | | | | |
| | BE46305 | 16-Pair | 1640 | 500 | 470.0 | 213.2 | | | | | | 0.709 | 18.00 | | | | |
| | BE46306 | 24-Pair | 820 | 250 | 343.9 | 156.0 | | | | | | 0.882 | 22.40 | | | | |
| | BE46948 | 40-Pair | 820 | 250 | 555.6 | 252.0 | | | | | | 1.075 | 27.30 | | | | |



Super-Flexible, High-Performance Cables, Star Quad Individually Shielded and Jacketed Pairs

| De- scription | Part No. | UL NEC/ C(UL)CEC Type IEC | Standard Lengths | | Standard Unit Weight | | Conductor (Stranding) Diameter Nom. DCR | Nominal Insulation OD | | Shielding Material Nom. DCR | Nominal OD | | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance | | Color Code |
|------------------|-------------|---------------------------------|---------------------|---|-------------------------|----|--|--------------------------|----|-----------------------------------|------------|----|---------------------|--------------------------|---------------------|------|------------|
| | | | ft. | m | lbs. | kg | | inch | mm | | inch | mm | | | pF/ft. | pF/m | |

26 AWG • Stranded (19x38) 0.5 mm High-Conductivity (Oxygen-Free) Bare Copper • Each Pair 95% Bare Copper French Braid® • 26 AWG Tinned Copper Drain Wire • Numbered and Color Coded PVC Jackets

| Polyethylene Insulation • Overall Black PVC Jacket with 20 AWG Tinned Copper Drain Wire | | | | | | | | | | | | | | | | | |
|--|--------------|---------|------------------------|------------------|-------------------------|------------------------|---------------------------------|-------|------|--|-------|-------|-------|--------------------|----------|------------|--------------------|
| 300V RMS 60°C | | | | | | | 0.51 mm 26 AWG (19x38) BC | 0.045 | 1.14 | Individual French Braid® 95% BC + Drain Wire (26 AWG TC) | | 40 | - | CDR/CDR CDR/SCR | 39 57 | 129 188 | see chart below |
| | | | | | | | | | | Jacketed Pairs O.D.: | 0.157 | 3.99 | | | | | |
| 0.14 mm ² Star-Quad | 7884A | 2-Pair | 250 † 500 † 1000 | 76 152 305 | 27.0 49.0 98.0 | 12.2 22.2 44.5 | | | | | | 0.458 | 11.63 | | | | 396 N |
| | 7885A | 4-Pair | 250 † 500 † 1000 | 76 152 305 | 36.3 70.5 136.0 | 16.5 32.0 61.7 | | | | | | 0.498 | 12.65 | | | | 792 N |
| | 7886A | 8-Pair | † 500 † 1000 | 152 305 | 146.5 314.0 | 66.5 142.4 | | | | | | 0.782 | 19.86 | | | | 1584 N |
| | 7887A | 12-Pair | 250 † 500 † 1000 | 76 152 305 | 89.5 177.5 365.0 | 40.6 80.5 165.6 | | | | | | 0.828 | 21.03 | | | | 2380 N |
| | 7888A | 16-Pair | 250 † 500 † 1000 | 76 152 305 | 114.0 238.5 468.0 | 51.7 108.2 212.3 | | | | | | 0.938 | 23.83 | | | | 3172 N |
| | 7889A | 24-Pair | † 500 † 1000 | 152 305 | 396.0 798.0 | 179.6 362.0 | | | | | | 1.232 | 31.29 | | | | 4759 N |

2/c 21 AWG equivalent DCR when connected to a 3-pin XLR.

TC = Tinned Copper • BC = Bare Copper • DCR = DC resistance
SCR = Capacitance between one conductor and other conductors connected to shield.
CDR = Capacitance between conductors
† Length may vary -10% to 0% from length shown.

Color Code

| Pair No. | Color |
|----------|-------|
| 1 | Blue |
| 2 | White |

| Pair No. | Color |
|----------|------------------------|
| 3 | Blue with White Stripe |
| 4 | White with Blue Stripe |

Analog Multi-Pair Snake Cables

FleXsnake® Super-Flexible, High-Performance Cables
Individually Shielded and Jacketed Pairs

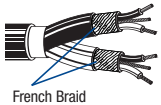


| De- scription | Part No. | UL NEC/ C(UL)/CEC Type IEC | Standard Lengths | | Standard Unit Weight | | Conductor (Stranding) Diameter Nom. DCR | Nominal Insulation OD | | Shielding Material Nom. DCR | Nominal OD | | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance | | Color Code |
|------------------|-------------|----------------------------------|---------------------|---|-------------------------|----|--|--------------------------|----|-----------------------------------|------------|----|---------------------|--------------------------|---------------------|------|------------|
| | | | ft. | m | lbs. | kg | | inch | mm | | inch | mm | | | pF/ft. | pF/m | |

24 AWG • Stranded (41x40) 0.6 mm High-Conductivity (Oxygen-Free) Bare Copper • Each Pair Individually 93% French Braid® • 24 AWG Tinned Copper Drain Wire • Numbered and Color Coded PVC Jackets

Polyolefin Insulation • Overall Black PVC Jacket

| | | | | | | | | | |
|------------------|---------------------------------|---------------|---|----|---|--------------------|----------|-----------|------------|
| 300V RMS 60°C | 0.58 mm 24 AWG (41x40) BC | 0.040 1.02 | Individual French Braid® 93% + Drain Wire (24 AWG TC) | 60 | - | CDR/CDR CDR/SCR | 26 48 | 86 156 | Red, Black |
|------------------|---------------------------------|---------------|---|----|---|--------------------|----------|-----------|------------|



Jacketed Pairs O.D.:
0.119 3.02

0.22 mm²

Pulling Tension:

| Part No. | Pairing | 250 ft | 76 m | 12.0 lbs | 5.4 kg | 0.330 inch | 8.38 mm | Pulling Tension (N) |
|--------------|---------|--------|-------|----------|--------|------------|---------|---------------------|
| 1902A | 2-Pair | 250 | 76 | 12.0 | 5.4 | 0.330 | 8.38 | 258 N |
| | † 500 | 152 | 27.5 | 12.5 | | | | |
| | † 1000 | 305 | 53.0 | 24.0 | | | | |
| 1904A | 4-Pair | 250 | 76 | 19.8 | 9.0 | 0.333 | 8.45 | 534 N |
| | † 500 | 152 | 40.5 | 18.4 | | | | |
| | † 1000 | 305 | 78.0 | 35.4 | | | | |
| 1906A | 6-Pair | 250 | 76 | 28.5 | 12.9 | 0.449 | 11.40 | 801 N |
| | † 500 | 152 | 55.5 | 25.2 | | | | |
| | † 1000 | 305 | 111.0 | 50.3 | | | | |
| 1908A | 8-Pair | 250 | 76 | 36.0 | 16.3 | 0.480 | 12.20 | 1023 N |
| | † 500 | 152 | 72.5 | 32.9 | | | | |
| | † 1000 | 305 | 141.0 | 64.0 | | | | |
| 1912A | 12-Pair | 250 | 76 | 51.8 | 23.5 | 0.602 | 15.30 | 1557 N |
| | † 500 | 152 | 102.5 | 46.5 | | | | |
| | † 1000 | 305 | 203.0 | 92.1 | | | | |
| 1916A | 16-Pair | 250 | 76 | 71.0 | 32.2 | 0.681 | 17.30 | 2091 N |
| | † 500 | 152 | 138.0 | 62.6 | | | | |
| | † 1000 | 305 | 279.0 | 126.6 | | | | |
| 1924A | 24-Pair | 250 | 76 | 108.0 | 49.0 | 0.827 | 21.00 | 3114 N |
| | † 500 | 152 | 214.5 | 97.3 | | | | |
| | † 1000 | 305 | 437.0 | 198.2 | | | | |
| 1932A | 32-Pair | 250 | 76 | 135.3 | 61.4 | 0.969 | 24.60 | 4173 N |
| | † 500 | 152 | 274.0 | 124.3 | | | | |
| | † 1000 | 305 | 539.0 | 244.5 | | | | |

TC = Tinned Copper • BC = Bare Copper • DCR = DC resistance • SCR = Capacitance between one conductor and other conductors connected to shield. • CDR = Capacitance between conductors
† Length may vary -10% to 0% from length shown.

19 • Brilliance® Broadcast

Analog Multi-Pair Snake Cables

Beldfoil® High-Performance Cables

Individually Shielded and Jacketed Pairs

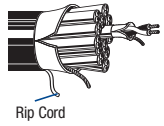


| De- scription | Part No. | UL NEC/ C(UL)/CEC Type IEC | Standard Lengths | | Standard Unit Weight | | Conductor (Stranding) Diameter Nom. DCR | Nominal Insulation OD | | Shielding Material Nom. DCR | Nominal OD | | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance | | Color Code |
|------------------|-------------|----------------------------------|---------------------|---|-------------------------|----|--|--------------------------|----|-----------------------------------|------------|----|---------------------|--------------------------|---------------------|------|------------|
| | | | ft. | m | lbs. | kg | | inch | mm | | inch | mm | | | pF/ft. | pF/m | |

24 AWG • Stranded (7x32) 0.6 mm High-Conductivity (Oxygen-Free) Tinned Copper • Each Pair Beldfoil® Shielded • 24 AWG Tinned Copper Drain Wire • Numbered and Color Coded PVC Jackets • Overall Beldfoil® Shield • Rip Cord

Polyolefin Insulation • Overall Black PVC Jacket with 18 AWG Tinned Copper Drain Wire

| | | | | | | | | | | | | | | |
|------------------|--------------------------|--|--------------------------------|-------|------|--|----|---|--------------------|----------|------------|----------------------|------|--|
| 300V RMS 75°C | NEC: CM CEC: CM | | 0.61 mm 24 AWG (7x32) TC | 0.040 | 1.02 | Individual Beldfoil® + Drain Wire (24 AWG TC) + Overall Beldfoil® | 60 | - | CDR/CDR CDR/SCR | 31 58 | 102 190 | Brown, Red | | |
| | | | | | | | | | | | | Jacketed Pairs O.D.: | | |
| | | | | | | | | | | | | 0.111 | 2.82 | |

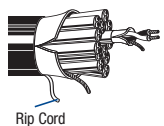


| | | | | | | | | | | | | | Pulling Tension: | | |
|----------------------|-------------------------|---------|-------------|------------|----------------|----------------|--|--|--|--|-------|-------|------------------|--|--------|
| 0.22 mm ² | 1508A | 1-Pair | 500 1000 | 152 305 | 6.5 11.0 | 2.9 5.0 | | | | | 0.131 | 3.33 | | | 73 N |
| | 1509C | 2-Pair | 500 1000 | 152 305 | 24.0 46.0 | 10.9 20.9 | | | | | 0.301 | 7.65 | | | 246 N |
| | 1510C | 4-Pair | 500 1000 | 152 305 | 35.5 72.0 | 16.1 32.7 | | | | | 0.352 | 8.94 | | | 393 N |
| | 1511C | 6-Pair | 500 1000 | 152 305 | 52.0 102.0 | 23.6 46.3 | | | | | 0.418 | 10.61 | | | 544 N |
| | 1512C | 8-Pair | 500 1000 | 152 305 | 65.5 124.0 | 29.7 56.2 | | | | | 0.452 | 11.48 | | | 676 N |
| | 1513C (DT-12) | 12-Pair | 500 1000 | 152 305 | 89.5 178.0 | 40.6 80.7 | | | | | 0.561 | 14.25 | | | 980 N |
| | 1514C | 16-Pair | 500 1000 | 152 305 | 122.5 241.0 | 55.6 109.3 | | | | | 0.628 | 15.95 | | | 1273 N |
| | 1515C | 20-Pair | 500 1000 | 152 305 | 142.5 288.0 | 64.6 130.6 | | | | | 0.770 | 19.56 | | | 1567 N |
| | 1516C | 24-Pair | 500 1000 | 152 305 | 180.5 371.0 | 81.9 168.3 | | | | | 0.807 | 20.50 | | | 1861 N |
| | 1517C | 26-Pair | 500 1000 | 152 305 | 187.5 385.0 | 85.0 174.6 | | | | | 0.823 | 20.90 | | | 2007 N |
| | 1518C | 32-Pair | 500 1000 | 152 305 | 236.5 481.0 | 107.3 218.2 | | | | | 0.897 | 22.78 | | | 2448 N |
| | 1519C | 52-Pair | 500 1000 | 152 305 | 372.5 731.0 | 169.0 331.6 | | | | | 1.117 | 28.37 | | | 3916 N |

24 AWG • Stranded (7x32) 0.6 mm High-Conductivity (Oxygen-Free) Tinned Copper • Each Pair Beldfoil® Shielded • 24 AWG Tinned Copper Drain Wire • Numbered FRNC Jackets • Overall Beldfoil® Shield • Rip Cord

Polyolefin Insulation • Overall Black FRNC/LSNH Jacket with 18 AWG Tinned Copper Drain Wire

| | | | | | | | | | | | | | | |
|------------------|--------------------------|--|--------------------------------|-------|------|--|----|---|--------------------|----------|-----------|----------------------|------|--|
| 300V RMS 75°C | NEC: CM CEC: CM | | 0.61 mm 24 AWG (7x32) TC | 0.040 | 1.02 | Individual Beldfoil® + Drain Wire (24 AWG TC) + Overall Beldfoil® | 60 | - | CDR/CDR CDR/SCR | 28 55 | 92 180 | Brown, Red | | |
| | | | | | | | | | | | | Jacketed Pairs O.D.: | | |
| | | | | | | | | | | | | 0.111 | 2.82 | |



| | | | | | | | | | | | | | Pulling Tension: | | |
|----------------------|----------------|--------|--------------|-------------|----------------|---------------|--|--|--|--|-------|-------|------------------|--|-------|
| 0.22 mm ² | 1508ENH | 1-Pair | 1640 3280 | 500 1000 | 21.0 42.4 | 9.5 19.1 | | | | | 0.131 | 3.33 | | | 73 N |
| | 1509ENH | 2-Pair | 1640 | 500 | 79.1 | 35.9 | | | | | 0.301 | 7.65 | | | 246 N |
| | 1512ENH | 8-Pair | 1640 3280 | 500 1000 | 215.4 430.8 | 97.7 195.4 | | | | | 0.453 | 11.50 | | | 676 N |

TC = Tinned Copper • DCR = DC resistance • SCR = Capacitance between one conductor and other conductors connected to shield. • CDR = Capacitance between conductors

Analog Multi-Pair Snake Cables

Beldfoil® High-Performance Cables, Long Runs
Individually Shielded and Jacketed Pairs

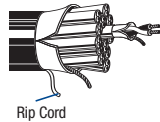


| De- scription | Part No. | UL NEC/ C(UL)/CEC Type IEC | Standard Lengths | | Standard Unit Weight | | Conductor (Stranding) Diameter Nom. DCR | Nominal Insulation OD | | Shielding Material Nom. DCR | Nominal OD | | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance | | Color Code |
|------------------|-------------|----------------------------------|---------------------|---|-------------------------|----|--|--------------------------|----|-----------------------------------|------------|----|---------------------|--------------------------|---------------------|------|------------|
| | | | ft. | m | lbs. | kg | | inch | mm | | inch | mm | | | pF/ft. | pF/m | |

22 AWG • Stranded (7x30) 0.8 mm High-Conductivity (Oxygen-Free) Tinned Copper • Each Pair **Beldfoil®** Shielded •
22 AWG Tinned Copper Drain Wire • Numbered and Color Coded PVC Jackets • Overall **Beldfoil®** Shield • Rip Cord

Polyolefin Insulation • Overall Matte Black PVC Jacket with Stranded 18 AWG Tinned Copper Drain Wire, except 1814 with 22 AWG

| | | | | | | | | | | | |
|------------------|--------------------------------|--------------------------------|-------|------|--|----|----|--------------------|--------------|------------|------------|
| 300V RMS 60°C | NEC: CMR CEC: CMG FT4 | 0.76 mm 22 AWG (7x30) TC | 0.050 | 1.27 | Individual Beldfoil® + Drain Wire (22 AWG TC) + Overall Beldfoil® | 50 | 66 | CDR/CDR CDR/SCR | 31.0 56.1 | 102 184 | Red, Black |
| | | Jacketed Pairs O.D.: | | | | | | | | | |
| | | 0.133 | | 3.38 | | | | | | | |



0.35 mm²

Pulling Tension:

| Part No. | Pairing | Length (ft.) | Length (m) | Weight (lbs.) | Weight (kg) | Shielding (inch) | Shielding (mm) | Pulling Tension (N) |
|--------------|---------|--------------|------------|---------------|-------------|------------------|----------------|---------------------|
| 1814R | 2-Pair | 500 | 152 | 30.0 | 13.6 | 0.330 | 8.38 | 283 N |
| | | 1000 | 305 | 59.0 | 26.8 | | | |
| 1815R | 4-Pair | 500 | 152 | 45.0 | 20.4 | 0.383 | 9.74 | 485 N |
| | | 1000 | 305 | 91.0 | 41.3 | | | |
| 1816R | 6-Pair | 500 | 152 | 65.0 | 29.5 | 0.462 | 11.73 | 838 N |
| | | 1000 | 305 | 131.0 | 59.4 | | | |
| 1817R | 8-Pair | 500 | 152 | 80.0 | 36.3 | 0.503 | 12.78 | 1081 N |
| | | 1000 | 305 | 152.0 | 68.9 | | | |
| 1818R | 12-Pair | 500 | 152 | 121.0 | 54.9 | 0.638 | 16.21 | 1623 N |
| | | 1000 | 305 | 241.0 | 109.3 | | | |
| 1819R | 16-Pair | 500 | 152 | 180.0 | 81.6 | 0.776 | 19.71 | 2052 N |
| | | 1000 | 305 | 364.0 | 165.1 | | | |
| 1820R | 20-Pair | 500 | 152 | 216.0 | 98.0 | 0.865 | 21.97 | 2538 N |
| | | 1000 | 305 | 442.0 | 200.5 | | | |
| 1821R | 24-Pair | 500 | 152 | 263.5 | 119.5 | 0.969 | 24.61 | 3024 N |
| | | 1000 | 305 | 518.0 | 235.0 | | | |
| 1822R | 26-Pair | 500 | 152 | 280.5 | 127.2 | 0.989 | 25.12 | 3266 N |
| | | 1000 | 305 | 552.0 | 250.4 | | | |
| 1823R | 32-Pair | 500 | 152 | 335.5 | 152.2 | 1.072 | 27.23 | 3995 N |
| | | 1000 | 305 | 692.0 | 313.9 | | | |

TC = Tinned Copper • DCR = DC resistance • SCR = Capacitance between one conductor and other conductors connected to shield. • CDR = Capacitance between conductors

Industrial Data Solutions® - Interconnect Cables

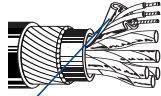
Shielded Twisted Pair Cables



| De- scription | Part No. | UL NEC/ C(UL)CEC Type IEC | Standard Lengths | | Standard Unit Weight | | Conductor (Stranding) Diameter Nom. DCR | Nominal Insulation OD | | Shielding Material Nom. DCR | Nominal OD | | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance | | Color Code |
|------------------|-------------|---------------------------------|---------------------|---|-------------------------|----|--|--------------------------|----|-----------------------------------|------------|----|---------------------|--------------------------|---------------------|------|------------|
| | | | ft. | m | lbs. | kg | | inch | mm | | inch | mm | | | pF/ft. | pF/m | |

22 AWG • Stranded (7x30) 0.8 mm Tinned Copper • Twisted Pair • Beldfoil® • 22 AWG Tinned Copper Drain Wire

| Polyethylene Insulation • Chrome FRNC/LSNH Inner Jacket • Steel Wire Armor • Black Sunlight-Resistant FRNC/LSNH Jacket • Color Coded Foils (Red, Green, Blue) | | | | | | | | | | | | | | | | | | |
|---|--------|---------|------|------|-------|-------|-----------|-------|------|---|---------|---------|----|-----|---------|------|-------|--------------|
| 300V 80°C | 8777LS | IEC | 1640 | 500 | 290.3 | 131.7 | 0.76 mm | 0.050 | 1.27 | Individual Beldfoil® + Drain Wire (22 AWG TC) | *0.276 | *7.00 | 50 | 66% | CDR/CDR | 30.0 | 98.4 | Red, Black |
| | | 332-3C | 3280 | 1000 | 712.5 | 323.2 | 22 AWG | | | | **0.425 | **10.80 | | | CDR/SCR | 55.0 | 180.4 | Green, White |
| | | BS 7655 | | | | | (7x30) TC | | | | | | | | | | | Green, Black |



Z-Fold®

3-Pair

* Under Armor
** Over Armor

22 AWG • Stranded (7x30) 0.8 mm Tinned Copper • Twisted Pair • Beldfoil® • 24 AWG Tinned Copper Drain Wire

| Polypropylene Insulation • Chrome PVC Jacket | | | | | | | | | | | | | | | | | | |
|--|------|------|--------|-------|-------|------|-----------|-------|------|---|-------|------|----|-----|---------|------|-------|--------------|
| 300V RMS | 8723 | NEC: | 100 | 31 | 2.2 | 1.0 | 0.76 mm | 0.046 | 1.17 | Individual Beldfoil® + Drain Wire (24 AWG TC) | 0.168 | 4.27 | 45 | 66% | CDR/CDR | 35.0 | 115.0 | Red, Black |
| 60°C | | CM | U-500 | U-152 | 10.6 | 4.8 | 22 AWG | | | | | | | | CDR/SCR | 62.0 | 203.0 | Green, White |
| | | CEC: | 500 | 152 | 9.9 | 4.5 | (7x30) TC | | | | | | | | | | | |
| | | CM | U-1000 | U-305 | 20.1 | 9.1 | | | | | | | | | | | | |
| | | | 1000 | 305 | 20.1 | 9.1 | | | | | | | | | | | | |
| | | | 1640 | 500 | 32.8 | 14.9 | | | | | | | | | | | | |
| | | | U-2000 | U-610 | 40.1 | 18.2 | | | | | | | | | | | | |
| | | | 2000 | 610 | 40.1 | 18.2 | | | | | | | | | | | | |
| | | | 3280 | 1000 | 65.7 | 29.8 | | | | | | | | | | | | |
| | | | 5000 | 1524 | 95.0 | 43.1 | | | | | | | | | | | | |
| | | | 10000 | 3049 | 200.4 | 90.9 | | | | | | | | | | | | |



2-Pair

For Plenum version of 8723, see 88723, 87723 or 82723
Pairs cabled on common axis to reduce diameter.

| Polypropylene Insulation • Chrome FRNC/LSNH Jacket | | | | | | | | | | | | | | | | | | |
|--|--------|---------|------|------|------|------|-----------|-------|------|---|-------|------|----|-----|---------|------|-------|--------------|
| 300V 80°C | 8723NH | IEC | 1000 | 305 | 23.1 | 10.5 | 0.76 mm | 0.046 | 1.17 | Individual Beldfoil® + Drain Wire (24 AWG TC) | 0.179 | 4.55 | 45 | 66% | CDR/CDR | 35.0 | 114.8 | Red, Black |
| | | 332-3C | 1640 | 500 | 36.8 | 16.7 | 22 AWG | | | | | | | | CDR/SCR | 62.0 | 203.4 | Green, White |
| | | BS 7655 | 3280 | 1000 | 75.0 | 34.0 | (7x30) TC | | | | | | | | | | | |



2-Pair

Pairs cabled on common axis to reduce diameter.

| Polypropylene Insulation • Chrome FRNC/LSNH Inner Jacket • Steel Wire Armor • Black Sunlight-Resistant FRNC/LSNH Jacket | | | | | | | | | | | | | | | | | | |
|---|--------|---------|------|------|-------|-------|-----------|-------|------|---|---------|--------|----|-----|---------|------|-------|--------------|
| 300V 80°C | 8723LS | IEC | 1640 | 500 | 168.7 | 76.5 | 0.76 mm | 0.046 | 1.17 | Individual Beldfoil® + Drain Wire (24 AWG TC) | *0.179 | *4.55 | 45 | 66% | CDR/CDR | 35.0 | 114.8 | Red, Black |
| | | 332-3C | 3280 | 1000 | 350.1 | 158.8 | 22 AWG | | | | **0.346 | **8.80 | | | CDR/SCR | 62.0 | 203.4 | Green, White |
| | | BS 7655 | | | | | (7x30) TC | | | | | | | | | | | |



2-Pair

* Under Armor
** Over Armor

| Plenum • FEP Insulation • Red FEP Jacket | | | | | | | | | | | | | | | | | | |
|--|-------|---------|------|-----|------|-----|-----------|-------|------|---|-------|------|----|-----|---------|------|-------|--------------|
| 300V RMS | 88723 | NEC: | 100 | 31 | 3.3 | 1.5 | 0.76 mm | 0.046 | 1.17 | Individual Beldfoil® + Drain Wire (24 AWG TC) | 0.148 | 3.76 | 40 | 69% | CDR/CDR | 35.0 | 115.0 | Red, Black |
| Non-conduit | | CMP | 500 | 152 | 11.0 | 5.0 | 22 AWG | | | | | | | | CDR/SCR | 67.0 | 220.0 | Green, White |
| | | CEC: | 1000 | 305 | 20.9 | 9.5 | (7x30) TC | | | | | | | | | | | |
| | | CMP FT6 | | | | | | | | | | | | | | | | |



Z-Fold®

2-Pair

TC = Tinned Copper • DCR = DC resistance