

Industrial Data Solutions® - Industrial Data

LonWorks 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 | | Nominal Attenuation | | |
|------------------|-------------|----------------------------------|---------------------|---|-------------------------|----|--|--------------------------|----|-----------------------------------|------------|----|---------------------|--------------------------|------------------------|------|---------------------|----------------|--------------|
| | | | ft. | m | lbs. | kg | | inch | mm | | inch | mm | | | pF/ft. | pF/m | MHz | dB/ 100 ft. | dB/ 100 m |

22 AWG • Solid 0.6 mm Bare Copper • Twisted Pair

| Foam Polyethylene Insulation • White FRNC/LSNH Jacket | | | | | | | | | | | | | | | | | | | |
|---|--------|---------|------|-----|------|-----|----------|-------|------|------------|-------|------|-----|-----|------|------|-----|-----|-----|
| 80°C | 7701NH | IEC | 1000 | 305 | 10.6 | 4.8 | 0.64 mm | 0.046 | 1.17 | Unshielded | 0.138 | 3.50 | 100 | 68% | 14.0 | 46.0 | 1 | 0.4 | 1.3 |
| | | 332-3C | 1640 | 500 | 17.6 | 8.0 | 22 AWG | 1 | 0.5 | | | | | | | | 1.5 | | |
| | | BS 7655 | | | | | Solid BC | 4 | 0.9 | | | | | | | | 3.1 | | |
| | | | | | | | | 10 | 1.5 | | | | | | | | 4.9 | | |
| | | | | | | | | 16 | 1.9 | | | | | | | | 6.3 | | |
| | | | | | | | | | | | | | | | | | 20 | 2.1 | 6.9 |



1-Pair
Color Code: White/Blue, Blue/White

Foam Polyethylene Insulation • White FRNC/LSNH Jacket

| | | | | | | | | | | | | | | | | | | | |
|------|--------|---------|------|-----|------|-----|----------|-------|------|------------|-------|------|-----|-----|------|------|-----------|--|--|
| 80°C | 7702NH | IEC | 1000 | 305 | 19.6 | 8.9 | 0.64 mm | 0.046 | 1.14 | Unshielded | 0.205 | 5.20 | 100 | 68% | 14.0 | 46.0 | see above | | |
| | | 332-3C | | | | | 22 AWG | | | | | | | | | | | | |
| | | BS 7655 | | | | | Solid BC | | | | | | | | | | | | |
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2-Pair
Color Code: White/Blue, Blue/White, Orange/White, White/Orange

22 AWG • Solid 0.6 mm Bare Copper • Twisted Pair • Beldfoil® • 24 AWG Tinned Copper Drain Wire

| Foam Polyethylene Insulation • White FRNC/LSNH Jacket | | | | | | | | | | | | | | | | | | | |
|---|--------|---------|------|-----|------|-----|----------|-------|------|---|-------|------|-----|-----|------|------|-----|-----|-----|
| 80°C | 7703NH | IEC | 1000 | 305 | 17.9 | 8.1 | 0.64 mm | 0.061 | 1.55 | Overall Beldfoil® + Drain Wire (24 AWG TC) | 0.181 | 4.60 | 100 | 68% | 24.4 | 80.0 | 1 | 0.5 | 1.8 |
| | | 332-3C | | | | | 22 AWG | 1 | 0.6 | | | | | | | | 2.0 | | |
| | | BS 7655 | | | | | Solid BC | 4 | 1.1 | | | | | | | | 3.6 | | |
| | | | | | | | | 10 | 1.7 | | | | | | | | 5.5 | | |
| | | | | | | | | 16 | 2.1 | | | | | | | | 7.0 | | |
| | | | | | | | | | | | | | | | | | 20 | 2.4 | 7.8 |



1-Pair
Color Code: White/Blue, Blue/White

Foam Polyethylene Insulation • White FRNC/LSNH Jacket

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|------|--------|---------|------|------|------|------|----------|-------|------|---|-------|------|-----|-----|------|------|-----------|--|--|
| 80°C | 7704NH | IEC | 1000 | 305 | 27.1 | 12.3 | 0.64 mm | 0.053 | 1.35 | Overall Beldfoil® + Drain Wire (24 AWG TC) | 0.256 | 6.50 | 100 | 68% | 12.2 | 40.0 | see above | | |
| | | 332-3C | 1640 | 500 | 44.3 | 20.1 | 22 AWG | | | | | | | | | | | | |
| | | BS 7655 | 3346 | 1020 | 88.6 | 40.2 | Solid BC | | | | | | | | | | | | |
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2-Pair
Color Code: White/Blue, Blue/White, Orange/White, White/Orange

16 AWG • Stranded (19x29) 1.5 mm Tinned Copper • Twisted Pair

| PVC Insulation • Chrome PVC Jacket | | | | | | | | | | | | | | | | | | |
|------------------------------------|------|---------|--------|-------|------|------|------------|-------|------|------------|-------|------|--|--|--|--|--|--|
| UL AWM Style 2598 | 8471 | NEC: | U-500 | U-152 | 20.1 | 9.1 | 1.47 mm | 0.105 | 2.67 | Unshielded | 0.274 | 6.96 | | | | | | |
| | | CMG | 500 | 152 | 20.1 | 9.1 | 16 AWG | | | | | | | | | | | |
| | | CEC: | U-1000 | U-305 | 39.0 | 17.7 | (19x29) TC | | | | | | | | | | | |
| | | CMG FT4 | 1000 | 305 | 40.1 | 18.2 | | | | | | | | | | | | |



1-Pair
Color Code: Black, White

TC = Tinned Copper • BC = Bare Copper • DCR = DC resistance