



Product Specification

16-2 Plenum

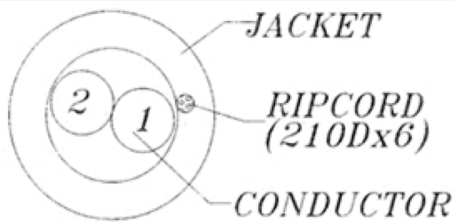
Description

16 AWG, 2 Conductors, Speaker Cable, Stranded, Oxygen Free Copper, CL3P & FT6, Rated for In Wall and Plenum Audio Applications.

Variants

| | |
|----------------------|---------------------------------------|
| NX-16X2-CL3P-BK-1000 | Black outer jacket, 1000ft., pull box |
| NX-16X2-CL3P-WH-100 | White outer jacket, 100ft., spool |
| NX-16X2-CL3P-WH-250 | White outer jacket, 250ft., pull box |
| NX-16X2-CL3P-WH-1000 | White outer jacket, 1000ft., pull box |

Construction



Conductors

| | |
|------------------|--------------------|
| Gauge | 16AWG |
| Quantity | 2 |
| Material | Oxygen Free Copper |
| Strand Count | 65 |
| Strand Diameter | 0.157mm ± 0.003mm |
| Overall Diameter | 1.46mm |

Insulation

| | |
|---------------------|--|
| Material | Low smoke flame retardant polyvinyl chloride (LSFRPVC) |
| Nominal Thickness | 0.28mm ± 0.08mm |
| Insulation Diameter | 2.10mm ± 0.20mm |
| Colors | Red, Black |

Rip Cord

| | |
|--------------|-----------------|
| Material | Nylon |
| Construction | 6x 210D threads |

Jacket

| | |
|-------------------|---|
| Material | Low smoke flame retardant polyvinyl chloride (LSFRPVC) |
| Nominal Thickness | 0.38mm ± 0.05mm |
| Outer Diameter | 5.10mm ± 0.20mm |
| Marking | NEXT 16/2 OFC PLENUM SPEAKER WIRE - PART # - MM/DD/YY - 16AWG 2C E301442-88 (UL) C(UL) CL3P FT6 75C - ROOM: ENT KIT DIN LIV FAM OFF MBR MBA BR1 BR2 BR3 BR4 BA1 BA2 HALL BSMT ATT THTR PAT POOL GAR - JACK: 1 2 3 4 5 6 N S E W - SHOP-NEXT.COM - XX USED / XX REMAINING |

Standards and Certifications

| | |
|---------------------------|---|
| Fire Safety Ratings | c(UL) CMP or (UL) CL3P |
| Flame Test | FT6 |
| Application | Power limited circuit cables for use as fixed wiring within buildings principally for Class 3 and Class 2 circuits. |
| Standard | UL 13 |
| Additional Certifications | Restriction of Hazardous Substances (RoHS) |

Performance

Electrical Characteristics

| | |
|---------------------|------|
| Nominal Temperature | 75°C |
|---------------------|------|

| | |
|-------------------------------|------------------------------|
| Maximum Conductor Resistance | 15.6 Ω /km |
| Voltage | 300 Volts RMS |
| Operating Temperature | -20°C to 75°C |
| Minimum Insulation Resistance | 100M Ω /km |
| Dielectric Strength | AC-500V/1 Minute |
| Impedance (near by) | 76 Ω \pm 3 Ω |
| Capacitance (near by) | 24.1 pF/Ft \pm 1 pF/Ft |

Mechanical Characteristics

| | |
|-------------------------|------------------------------|
| Test Object | Jacket |
| Test Material | CMP-Polyvinyl Chloride (PVC) |
| Before Tensile Strength | \geq 1.05 kp/mmP2 |