

16 AWG UNSHIELDED CONTROL CABLE

16 AWG Multi-Conductor Cable

APPLICATION

NETCON Multi-Conductor Cable suitable for Audio Control, Instrumentation and Building Management Systems (BMS) & Security Systems.

Length available: 305 Meters & above upon request.

DESIGN

Conductor: N x Bare Copper wire, 16 AWG flexible

Insulation: Polyolefin

Core 1: Black - Core 2: Red - Core 3: White
Core 4: Green- Core 5: Brown- Core 6: Blue-
Core 7: Orange -Core 8 : Yellow

Rip Cord: Nylon Yarn

Sheath & Color: PVC / LSZH and Grey

CHARACTERISTICS

Voltage Rating : 300

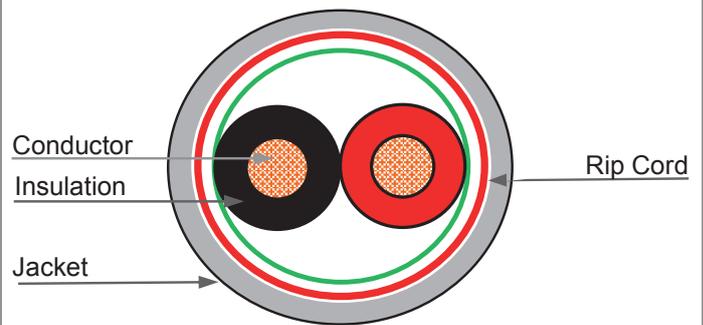
Temperature Limits: Fixed: -20°C to +70°C

Minimum Bending Radius:

As per Cable Manufacturer's Data Sheet



16 AWG Unshielded Multi-Conductor Cable



CORE IDENTIFICATION

Pair 1: ■ Red ■ Black

PHYSICAL CHARACTERISTICS

No of Cores x 16 AWG	2	4	6	8
Nom. Diameter Conductor	1.45 mm			
Nom. Insulation Thickness	0.2 mm			
Nom. Radial Thickness	0.35 mm			
Nom. Overall Diameter (mm)	4.6	5.3	6.8	7.6
Temperature Rating in "°C"	-20°C~70°C			
Max. Recommended Pulling Tension (N)	262	520	780	1040
Nom. Cable Weight (kg/km)	37	63	91	120

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ELECTRICAL CHARACTERISTICS

No. of Cores x 16 AWG	2	4	6	8
Max. DC Resistance Conductor (Ω/km)		15.47		
Capacitance Conductor to Conductor (pF/m)	105	90	80	80
Capacitance Cond. to other Cond.+screen (pF/m)	185	185	160	160
Nominal Inductance ($\mu\text{H}/\text{m}$)		0.5		
Max. Recommended Current at 25°C (Amps)	6.25	4.95	4.35	4.35
Max. Operating Voltage (Vrms)		300		

REFERENCE STANDARDS

Flammability: Comply to IEC 60332-1, VW-1 / IEC 60228

Comply to ROHS

ORDERING INFORMATION

Part No.	Description
NT0216	Netcon, 2C, 16 AWG Multi - Conductor Unshielded Cable, 305M
NT0416	Netcon, 4C, 16 AWG Multi - Conductor Unshielded Cable, 305M
NT0616	Netcon, 6C, 16 AWG Multi - Conductor Unshielded Cable, 305M
NT0816	Netcon, 8C, 16 AWG Multi - Conductor Unshielded Cable, 305M

Note: For LSZH Sheath, same above Part No. with "L" (NT0216L)