

### APPLICATION

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

Length Available:

305 Meters & above upon request.

### CABLE CONSTRUCTION

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

Screen : Aluminum / Polyester Tape

Drained Wire : Tinned Copper wire

Sheath & Color: PVC / LSZH & Standard Grey

### CHARACTERISTICS

Voltage Rating : 300

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

Minimum Bending Radius:

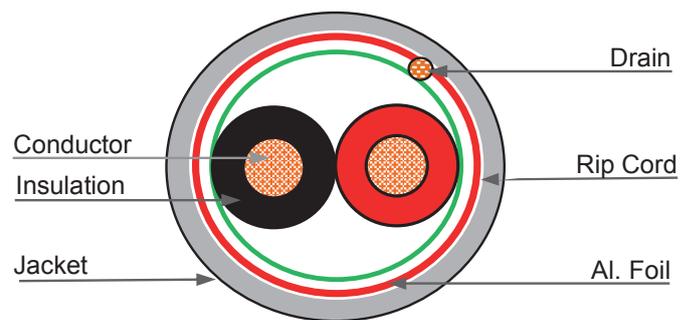
As per Cable Manufacturer's Data Sheet

### 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			0.35mm	
Screen Coverage %			113	
Drain Wire Size			7/0.203mm, TC	
Nom. Overall Diameter (mm)	4.6	5.3	6.8	7.6
Temperature Rating in "C"			-25-70°C	
Max. Recommended Pulling Tension (N)	262	520	780	1040
Nom. Cable Weight (kg/km)	37	63	91	120



16 AWG Shielded Cable



### CORE IDENTIFICATION

Pair 1: ■ Red    ■ Black

Drain: ■

### ELECTRICAL CHARACTERISTICS

No of Cores x 16 AWG	2	4	6	8
Max. DC Resistance Conductor ( $\Omega$ /km)	15.47			
Max. DC Resistance Screen ( $\Omega$ /km)	78.5			
Capacitance Conductor to Conductor (pF/m)	105	90	80	80
Capacitance Cond. to other Cond.+ Screen (pF/m)	185	185	160	160
Nominal Inductance ( $\mu$ H/m)	0.5			
Max. Recommended Current at 25°C (Amps)	6.25	4.95	4.35	4.35
Max. Operating Voltage (Vrms)	300			

### CABLE STANDARDS

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

Comply to RoHS

### ORDERING INFORMATION

Part Number	Description
NTS0216	Netcon, 2 Core, 16 AWG Shielded Multi Conductor Cable, 305M / Roll
NTS0416	Netcon, 4 Core, 16 AWG Shielded Multi Conductor Cable, 305M / Roll
NTS0616	Netcon, 6 Core, 16 AWG Shielded Multi Conductor Cable, 305M / Roll
NTS0816	Netcon, 8 Core, 16 AWG Shielded Multi Conductor Cable, 305M / Roll

Note: For LSZH Sheath, same above Part No. with "L" (NTS0216L)