

# 14 AWG SHIELDED CONTROL CABLE

## 14 AWG Shielded Multi-Conductor Cable

### APPLICATION

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, 14 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

Insulation : PE (High Density Polyethylene)

Foil Coverage : 100%

Drain Wire : Tinned Copper

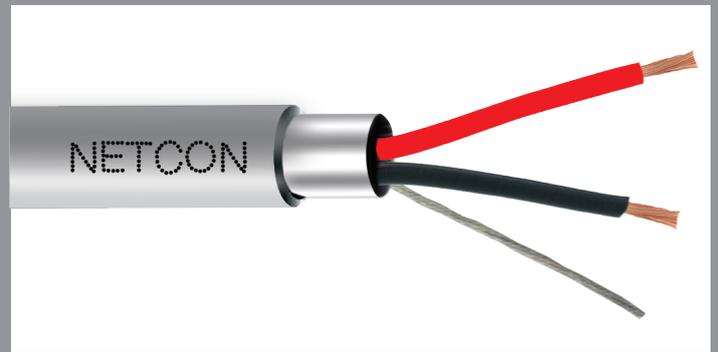
### CHARACTERISTICS

Voltage Rating : 300

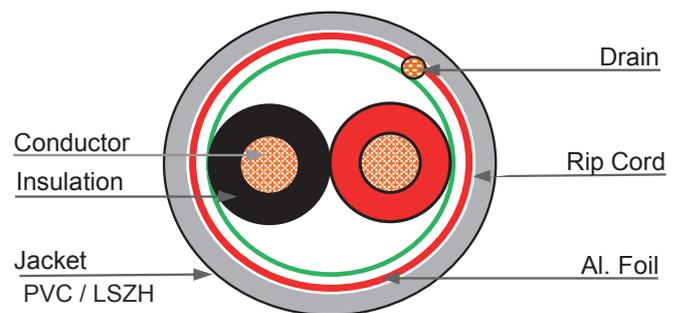
Temperature Limits: Fixed: -20°C to +70°C

Minimum Bending Radius:

As per Cable Manufacturer's Data Sheet



14 AWG Shielded Multi-Conductor Cable



### CORE IDENTIFICATION

Pair 1: ■ Red ■ Black

### DESIGN

Unit	Properties
Conductor	N x Bare Copper wire, 14 AWG flexible
Insulation	Polyolefin Core 1: Black, Core 2: White, Core 3: Red, Core 4: Green, Core 5: Brown, Core 6: Blue, Core 7: Orange, Core 8: Yellow
Drain Wire	Tinned Copper wire
Screen	Aluminium / Polyester Tape
Rip cord	Nylon yarn
Sheath Material	Flame-Retardant LSZH / Polyvinyl Chloride (PVC) Standard Colour: Grey
Standard Put Up Length	305 meters

\* Other colours, Put up lengths and structures can be manufactured upon request.

## 14 AWG Shielded Multi-Conductor Cable

### PHYSICAL CHARACTERISTICS

Part Number	NTS0214	NTS0414	NTS0614	NTS0814
No. of Cores x 14 AWG (19 x 27)	2	4	6	8
Nominal Diameter Conductor (mm)	1.8			
Nom. Radial Thickness Insulation (mm)	0.3			
Min. Screen Coverage (%)	115			
Drain Wire Size (AWG)	24 (7 x 32)			
Nom. Radial Thickness Sheath (mm)	0.8			
Nom. Overall Diameter (mm)	6.5	7.5	8.9	9.6
Operating Temperature (°C)	-20°C to + 70°C			
Max. Recommended Pulling Tension (N)	420	845	1266	1688
Max. Bend Radius (Install) (mm)	65	75	89	96
Nominal Cable weight (kg/km)	68	115	164	208

### ELECTRICAL CHARACTERISTICS

Part Number	NTS0214	NTS0414	NTS0614	NTS0814
No of cores x 14AWG (19 x 27)	2	4	6	8
Max. DC Resistance Conductor (Ω/km)	9.36			
Max. DC Resistance Screen (Ω/km)	78.5			
Capacitance Conductor to Conductor (pF/m)	248	215	208	205
Capacitance Conductor to other Conductors + Screen (pF/m)	452	385	374	370
Max. Recommended Current at 25°C (amps)	8	6.4	5.6	5.6
Max. Operating Voltage (Vrms)	300			

### REFERENCE STANDARDS

(BS) EN 50290-2

IEC 60228

NFC 725.154 (A), ANSI / NFPA 262

RoHS directives

### ORDERING INFORMATION

Part No.	Description
NTS0214	Netcon, 2 Core, 14 AWG Shielded Multi Conductor cable, 305M / Roll
NTS0414	Netcon, 4 Core, 14 AWG Shielded Multi Conductor cable, 305M / Roll
NTS0614	Netcon, 6 Core, 14 AWG Shielded Multi Conductor cable, 305M / Roll
NTS0814	Netcon, 8 Core, 14 AWG Shielded Multi Conductor cable, 305M / Roll

Note: NT: Series, S: Shielded, 02 /04/06/08 : No. of Pairs, 12: 12 AWG Bare Copper, P: PVC, L: LSZH