

APPLICATION

Netcon Screened 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, 18 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:

Flame Retardant Polyvinyl Chloride (PVC) & LSZH / Grey

CHARACTERISTICS

Voltage Rating : 300

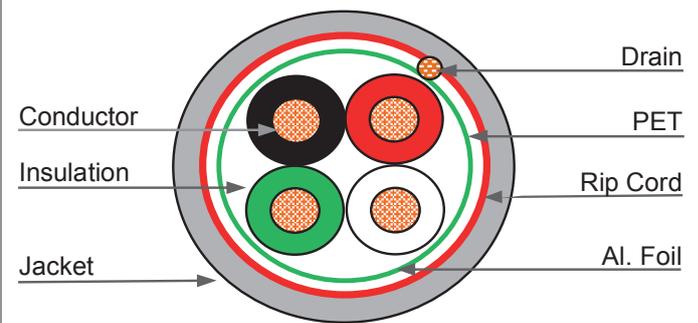
Temperature Limits: Fixed: -20°C to +70°C

Minimum Bending Radius:

As per Cable Manufacturer's Data Sheet



18 AWG Shielded Cable



CORE IDENTIFICATION

Pair 1: ■ Red ■ Black

Pair 2: ■ Green □ White

Drain: ■

PHYSICAL CHARACTERISTICS

No of Cores x 18 AWG	2	3	4	6	8
Nom. Diameter Conductor			1.2mm		
Nom. Insulation Thickness			0.18mm		
Nom. Radial Thickness sheath			0.35mm		
Drain Wire Size			7/0.203mm, TC		
Nom. Overall Diameter mm	4.0	4.2	4.6	5.7	6.4
Temperature Rating in "C"	-20-70°C				
Max. Recommended Pulling Tension (N)	200	299	399	620	797
Min. Bend Radius (install) (mm)	40	42	46	59	64
Nominal Cable Weight (kg/km)	29.6	39	49.5	79	89.5

ELECTRICAL CHARACTERISTICS

No of Cores x 18 AWG	2	3	4	6	8
Max. DC Resistance Conductor (Ω /km)	22.7				
Max. DC Resistance Screen (Ω /km)	78.5				
Capacitance Conductor to Conductor (pF/m)	95	90	75	75	75
Capacitance Cond. to other Cond.+ Screen (pF/m)	175	170	160	140	140
Nominal Inductance (μ H/m)	0.5				
Max. Recommended Current at 25°C (Amps)	5	5	4	3.5	3.5
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
NTS0218	Netcon, 2 Core, 18 AWG Shielded Multi Conductor cable, 305M / Roll
NTS0418	Netcon, 4 Core, 18 AWG Shielded Multi Conductor cable, 305M / Roll
NTS0618	Netcon, 6 Core, 18 AWG Shielded Multi Conductor cable, 305M / Roll
NTS0818	Netcon, 8 Core, 18 AWG Shielded Multi Conductor cable, 305M / Roll

Note: For LSZH Sheath, same above Part No. with "L" (NTS0218L)