

# 20 AWG SHIELDED CONTROL CABLE

## 20 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

### DESIGN

Conductor: N x Bare Copper wire, 20 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

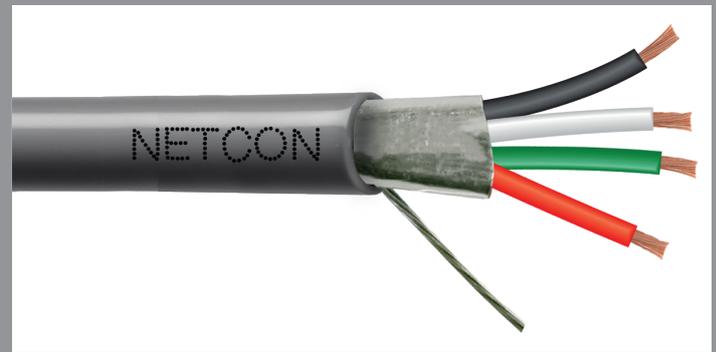
Sheath & Color: Flame Retardant Polyvinyl Chloride (PVC) & LSZH / Grey

### CHARACTERISTICS

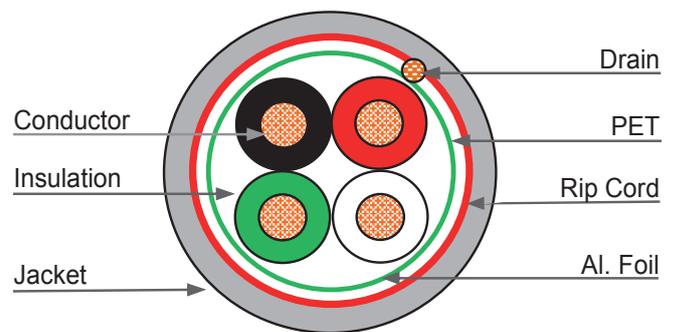
Voltage Rating : 300

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

Minimum Bending Radius:  
As per Cable Manufacturer's Data Sheet



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### CORE IDENTIFICATION

Pair 1: ■ Red ■ Black  
Pair 1: ■ Green □ white

### Physical Characteristics

No. of Cores x 20 AWG	2	3	4	6	8
Nom. Diameter Conductor			0.96mm		
Nom. Insulation Thickness			0.20mm		
Nom. Radial Thickness sheath			0.35mm		
Drain Wire Size			7/0.203mm, TC		
Nom. Overall Diameter mm	3.6	3.7	4.1	5.0	5.4
Temperature Rating in "°C"			-20°C~70°C		
Max. Recommended Pulling Tension (N)	112	299	224	336	448
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 20 AWG	2	3	4	6	8
Max. DC Resistance Conductor ( $\Omega$ /km)	35.75				
Max. DC Resistance Screen ( $\Omega$ /km)	78.5				
Capacitance Conductor to Cconductor (pF/m)	100	90	90	90	75
Capacitance Cond. to other cond.+screen (pF/m)	190	160	160	160	160
Nominal Inductance ( $\mu$ H/m)	0.5				
Max. Recommended Current at 25°C (Amps)	5	5	3.5	3.5	3.5
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
NTS0220	Netcon, 2 Core, 20 AWG Shielded Multi Conductor cable, 305M / Roll
NTS0420	Netcon, 4 Core, 20 AWG Shielded Multi Conductor cable, 305M / Roll
NTS0620	Netcon, 6 Core, 20 AWG Shielded Multi Conductor cable, 305M / Roll
NTS0820	Netcon, 8 Core, 20 AWG Shielded Multi Conductor cable, 305M / Roll

Note: For LSZH Sheath, same above Part No. with "L" (NTS0220L)