

22 AWG SHIELDED CONTROL CABLE

22 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, 22 AWG flexible

Insulation - Polyolefin

Core1: Black | Core2: Red | Core3 : White |
Core4: Green | Core5: Brown | Core6: Blue |
Core7: Orange | Core8: Yellow

Rip Cord : Nylon Yarn

Screen : Aluminum / Polyester Tape

Drained Wire : Tinned Copper wire

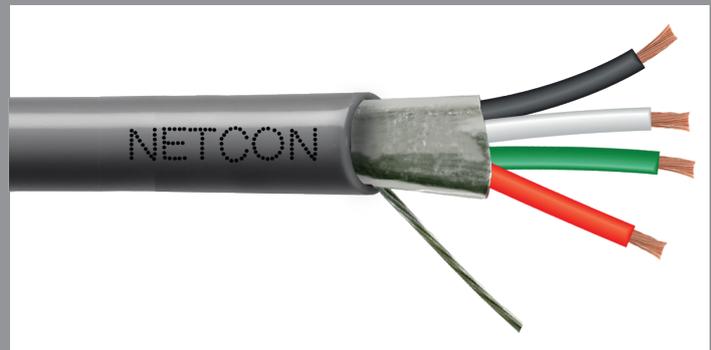
Sheath & Color: Flame Retardant Polyvinyl Chloride (PVC) & LSZH / Grey.

CHARACTERISTICS

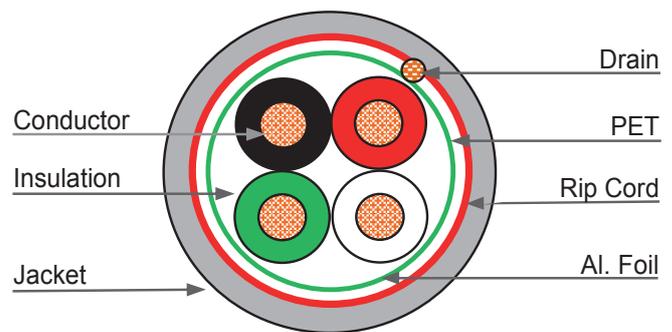
Voltage Rating : 300

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 2: ■ Green □ white

Physical Characteristics

No. of Cores x 22 AWG	2	3	4	6	8
Nom. Diameter Conductor			0.76mm		
Nom. Insulation Thickness			0.20mm		
Nom. Radial Thickness sheath			0.4mm		
Drain Wire Size			7/0.203mm, TC		
Nom. Overall Diameter mm	3.3	3.5	3.8	4.5	4.9
Temperature Rating in "°C"	-20°C~70°C				
Max. Recommended Pulling Tension (N)	80	121	187	243	324
Min. Bend Radius (install) (mm)	33	35	38	45	49
Nominal Cable Weight (kg/km)	15.7	20	25	34	42.5

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ELECTRICAL CHARACTERISTICS

No. of Cores x 22 AWG	2	3	4	6	8
Max. DC Resistance Conductor (Ω /km)	57.4				
Max. DC Resistance Screen (Ω /km)	78.5				
Capacitance Conductor to Cconductor (pF/m)	78	75	70	64	60
Capacitance Cond. to other cond.+screen (pF/m)	150	140	132	120	110
Nominal Inductance (μ H/m)	0.5 Max				
Max. Recommended Current at 25°C (Amps)	2.8	2.8	2.25	1.9	1.9
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
NTS0222	Netcon, 2 Core, 22 AWG Shielded Multi Conductor cable, 305M / Roll
NTS0422	Netcon, 4 Core, 22 AWG Shielded Multi Conductor cable, 305M / Roll
NTS0622	Netcon, 6 Core, 22 AWG Shielded Multi Conductor cable, 305M / Roll
NTS0822	Netcon, 8 Core, 22 AWG Shielded Multi Conductor cable, 305M / Roll

Note: For LSZH Sheath, same above Part No. with "L" (NTS0222L)