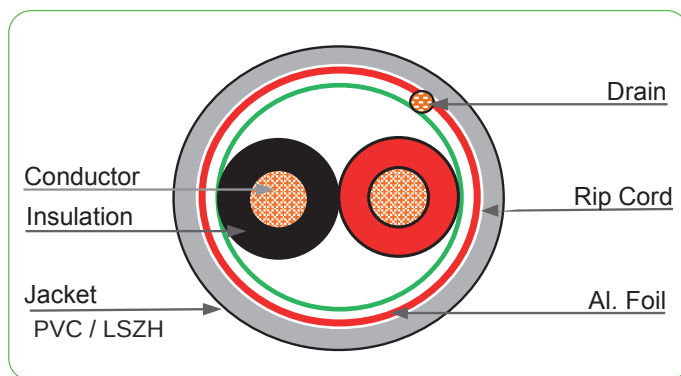
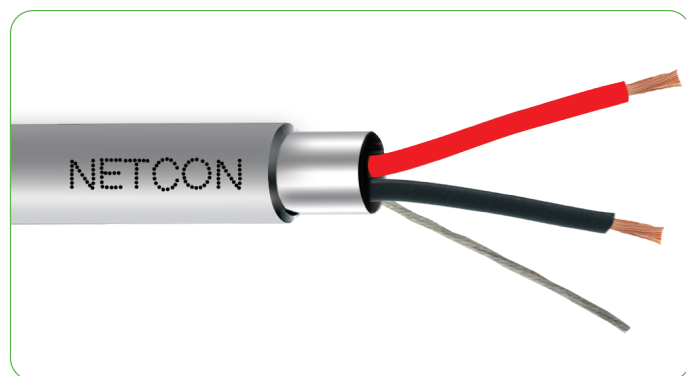


12 AWG Screened Multiconductor Cable



APPLICATION

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,
12 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

DESIGN

Unit	Properties
Conductor	N x Bare Copper wire, 12 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	20AWG (7x28) Tinned Copper
Screen	Aluminium / Polyester 100% Coverage
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.

12 AWG Screened Multiconductor Cable

PHYSICAL CHARACTERISTICS

Part Number	NTS0212	NTS0412	NTS0612	NTS0812
No of cores x 12 AWG (19 x 25)	2	4	6	8
Nom. Diameter Conductor (mm)	2.3			
Nom. Radial Thickness Insulation (mm)	0.3			
Nom. Radial Thickness Sheath (mm)	0.45			
Nom. Overall Diameter (mm)	6.9	8.2	9.8	10.7
Operating Temperature (°C)	- 25 / + 75			
Max. Recommended Pulling Tension (N)	675	1350	2025	2700
Max. Bend Radius (Install) (mm)	69	82	98	107
Nominal Cable weight (kg/km)	85.7	151.1	215.5	279/5

ELECTRICAL CHARACTERISTICS

Part Number	NTS0212	NTS0412	NTS0612	NTS0812
No of cores x 12AWG (19 x 25)	2	4	6	8
Max. DC Resistance Conductor (Ω /km)	5.61			
Max. DC Resistance Screen (Ω /km)	78.5			
Capacitance Conductor to Conductor (pF/m)	105	100	100	100
Capacitance Conductor to other Conductors + Screen (pF/m)	220	180	180	175
Max. Recommended Current at 25°C (amps)	12	9.6	8.4	8.4
Max. Operating Voltage (Vrms)	300			

REFERENCE STANDARDS

(BS) EN 50290-2

IEC 60228

IEFC 60332-1

RoHS directives

ORDERING INFORMATION

Part Number	Description
NTS0212P/L	Netcon, 2 Core, 12 AWG Shielded Multi Conductor cable, 305M / Roll
NTS0412P/L	Netcon, 4 Core, 12 AWG Shielded Multi Conductor cable, 305M / Roll
NTS0612P/L	Netcon, 6 Core, 12 AWG Shielded Multi Conductor cable, 305M / Roll
NTS0812P/L	Netcon, 8 Core, 12 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