

APPLICATION

NETCON 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, 18 AWG flexible

Insulation: Polypropylene

Outer Jacket: PVC

Rip Cord: Nylon Yarn

Jacket Color: Grey

CHARACTERISTICS

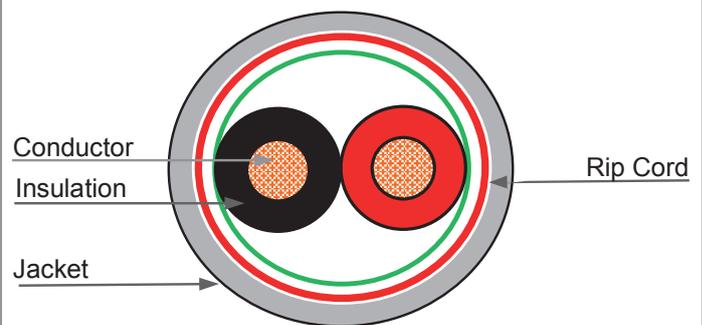
Voltage Rating : 300

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

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



18 AWG Unshielded Multi-conductor Cable



CORE IDENTIFICATION

Pair 1: ■ Red ■ Black

PRODUCT CHARACTERISTICS

Characteristics	Value
No. of Conductor	2
Conductor Size	18 AWG 7 x 26
Insulation Thickness	0.18mm
Insulation Diameter	1.80 mm
Jacket Thickness	0.45 mm
Jacket Diameter	4.00 mm
Max. Recommended Pulling Tension	200 N
Min. Bending Radius Minor Axis	38 mm
Operating Temperature	-10°C to +75°C

ELECTRICAL CHARACTERISTICS

Characteristics	Unit	Value
Nom. Capacitance	pf/m	70.5
Nom. Conductor DCR	Ω /km	21.3
Max. Recommended Current @ 25°C	Amps	5.00
Max. Operating Voltage UL	V/min	300

MECHANICAL CHARACTERISTICS

Characteristics	Value
Test Material	PVC
Before Tensile Strength (Mpa)	≥ 13.8
Aging Elongation (%)	≥ 100
After Tensile Strength (Mpa)	≥ 10.35
Aging Elongation (%)	≥ 75
Cold Bend (-20 \pm °C x 4 hrs)	No Crack

MECHANICAL CHARACTERISTICS

TEMPERATURE

UL Temperature	Operating
60°C	-20°C to +60°C
BEND RADIUS	
Stationary Min.	Installation Min.
2.6 in (66 mm)	2.6 in (66 mm)
Max. Pull Tension:	99 lbs (45 kg)
Bulk Cable Weight:	44 lbs/1000ft

STANDARDS AND COMPLIANCE

Environmental Suitability : Indoor

Flammability / Reaction to Fire : IEC 60332-1-2

CPR Compliance: CPR Euroclass: Eca

AWM Compliance : AWM 2598

European Directive Compliance : EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment),
EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)

Flammability: Comply to IEC 60332-1, VW-1 / IEC 60228

Comply to ROHS

APAC Compliance : China RoHS II (GB/T 26572-2011)

ORDERING INFORMATION

Part No.	Description
NT0218P	NETCON 2 Core 18 AWG Control Cable Unshielded with RIP
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