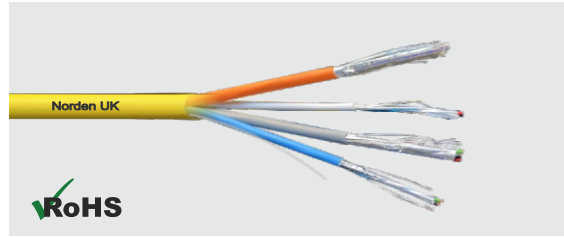


3Pair 18AWG, 4Core 18AWG, 2Core 18AWG, 4Core 16AWG Access Control Cable

This access control cable is suitable for use in automation, security systems, and lighting control applications. The cable is constructed with both paired and individual conductors with shielding; the conductors are insulated with polypropylene (PP) and both the inner and outer jackets are made of LSZH material.

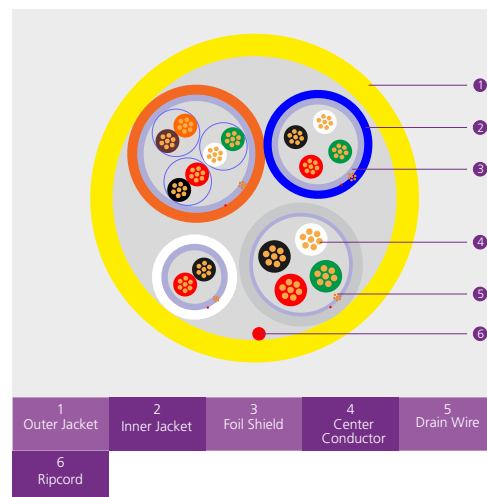


CONSTRUCTION & PHYSICAL CHARACTERISTICS

Characteristic	Value
Conductor Material	Bare Copper
Conductor Size (paired)	18AWG, 7/0.39±0.01
Conductor Size (4 core & 2 core)	18AWG, 7/0.39±0.01
Conductor Size (4 core)	16AWG, 19/0.30±0.01
Insulation Material	Polypropylene [PP]
Insulation Thickness (18 AWG)	0.25mm
Insulation Thickness (16 AWG)	0.25 mm
Insulation Diameter (18 AWG)	1.70±0.1mm
Insulation Diameter(16 AWG)	2.0±0.1mm
Shielding	AL/PET
Inner Jacket	LSZH
Inner Jacket Thickness	0.45mm
Inner Jacket Diameter	7.3±0.3mm(3Px18AWG) 5.1±0.2 mm(4Cx18AWG) 4.4±0.2 mm(2Cx18AWG) 5.9±0.2 mm(4Cx16AWG)
Inner Jacket Color	Orange (3Px18AWG) Blue (4CX18AWG) White (2Cx18AWG) Grey (4Cx16AWG)
Drain Wire Material & Size	Tinned Copper, 7×0.2±0.01
Ripcord	Yes
Outer Jacket	LSZH
Outer Jacket Avg Thickness	0.50mm
Outer Jacket Dia.	15.9±0.8mm
Outer Jacket Color	Yellow

ELECTRICAL & MECHANICAL CHARACTERISTICS

Characteristic	Unit	Value
Nom. Capacitance Cond. to Cond. (3Px18AWG)	pF/m	159
Nom. Capacitance Cond. to Cond. (4CX18AWG)	pF/m	159
Nom. Capacitance Cond. to Cond. (2Cx18AWG)	pF/m	190
Nom. Capacitance Cond. to Cond (4Cx16AWG)	pF/m	226
Nom. Capacitance Cond. to Shield. (3Px18AWG)	pF/m	286
Nom. Capacitance Cond. to Shield. (4CX18AWG)	pF/m	286
Nom. Capacitance Cond. to Shield. (2Cx18AWG)	pF/m	342
Nom. Capacitance Cond. to Shield. (4Cx16AWG)	pF/m	407
Nom. Conductor DC Resistance @ 20°C (18 AWG)	Ω/KM	≤21.9
Nom. Conductor DC Resistance @ 20°C (16 AWG)	Ω/KM	13.7
Nom. Inner Shield DCR 20°C (3Px18AWG)	Ω/KM	53
Nom. Inner Shield DCR 20°C (4CX18AWG)	Ω/KM	62
Nom. Inner Shield DCR 20°C (2Cx18AWG)	Ω/KM	66
Nom. Inner Shield DCR 20°C (4Cx16AWG)	Ω/KM	61



3Pair 18AWG, 4Core 18AWG, 2Core 18AWG, 4Core 16AWG Access Control Cable



Characteristic	Unit	Value
Maximum Operating Voltage	V	300
Max. Recommended Current @ 25°C [18 AWG]	A	4
Max. Recommended Current @ 25°C [16 AWG]	A	5
Max. Recommended Pulling Tension	N	450
Minimum Bend Radius (Installation)	cm	16
Operating Temperature	°C	-20°C to +75°C
Installation Temperature	°C	0°C to +60°C

INSULATION COLOUR CODE

Individual Pair/Core	Colour
3 Pair	Black-Red, White- Green, Brown-Orange
4 Core	Black, Red, White, Green
2 Core	Black, Red

ORDERING INFORMATION

Part Number	Description
9N-27B1A333X	3Pair 18AWG, 4Core 18AWG, 2Core 18AWG, 4Core 16AWG Access Control Cable Inner & Outer LSZH

