



Part Number: 8641NH

GreenChoice, (1 pr) 24 AWG (7x32) TC, PE/LSZH, Foil Shld, CMG

Product Description

One 24 AWG pair stranded (7x32) tinned copper conductors, twisted pairs, polyethylene insulation, low smoke zero-halogen jacket.

Product Specifications

Technical Specifications

Construction and Dimensions

Conductor:

AWG	Stranding	Material	No. of Pairs
24	7x32	TC - Tinned Copper	1
Total Number of Conductors:			2

Insulation:

Material	Nominal Wall Thickness
PE - Polyethylene	0.016 in

Color Chart 1:

Number	Color
1	Black & Clear

Stranding:

Lay Length	Twists
1.5 in	8 twist/ft

Outershield 1:

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum Foil-Polyester Tape	Beldfoil®	100 %	TC - Tinned Copper	24	7x32 mm

Outerjacket 1:

Material	Nominal Diameter	Nominal Wall Thickness
LSZH - Low Smoke Zero Halogen	0.165 in	0.025 in

Electrical Characteristics

Conductor DCR:

Nominal Conductor DCR	Nominal Outer Shield DCR
25 Ohm/1000ft	14.6 Ohm/1000ft

Capacitance:

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
22 pF/ft	42 pF/ft

Impedance:

Nominal Characteristic Impedance
80 Ohm

Current:

Max. Recommended Current [A]
2.2 Amps per conductor @ 25°C

Inductance:

Nominal Inductance
0.22 µH/ft

Voltage:

UL Voltage Rating
300 V RMS

Use

Suitability - Indoor:	Yes
Max Recommended Pulling Tension:	11 lbs

Safety

C(UL) Flammability:	FT4
UL Flammability:	UL1685 FT4 Loading
Suitability - Non-Halogenated:	Yes

Temperature Range

Operating Temp Range:	-20°C To +75°C
UL Temp Rating:	75°C

Mechanical Characteristics

Min Bend Radius/Minor Axis:	1.7 in
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Part Number

Plenum (Y/N):	No
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Standards

CA Prop 65 (CJ for Wire & Cable):	CA Prop 65 (CJ for Wire & Cable)
CEC/C(UL) Specification:	CEC/C(UL) Specification
MII Order #39 (China RoHS):	MII Order #39 (China RoHS)
NEC/(UL) Specification:	NEC/(UL) Specification
Other Specification:	Other Specification
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	EU CE Mark

History

Product Variants

Part Number	Color	Put-Up Type	Length
8641NH 0601000	CHROME	Reel	1000 ft
8641NH 060500	CHROME	Reel	500 ft

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