

Product: <u>7703NH</u> ☑ LonWorks, 1PR #22 Sol BC, PO ins, OS, LSNH Jkt, 300V, Dca

Product Description

LonWorks, 1 Pair AWG 22 Bare Copper - Solid, Polyolefin (PO, PE, PP) insulation, Foil(s) or Copper Tape(s) shielding, LSZH / FRNC jacket, 300V, CPR Dca

Technical Specifications

Product Overview

Suitable Applications:			LonWorks, instrumentation, Low capacitance					
hys	ical Char	acteristic	s (Overall)					
Condu	Stranding	Materi	Nomine	I Diamet	No. of Doin			
22	Solid	BC - Bare C			ter No. of Pair	S		
	uctor Count:	Bo Baro C			2	_		
-	Number of Pa	aire:			2			
Total		an 5.						
nsulat								
	Material		ninal Diameter		er +/- Tolerance		ess	
PE - F	Polyethylene	(Foam) 1.5	o mm	0.05 mr	n	0.4 mm		
Outer \$	Shield Mater	ial						
Туре		terial	Coverage [%			Drainwire Diameter	Drain	wire AWG
Tape	Bi-Laminate	e (Alum+Poly) 100%	TC - T	inned Copper	0.51 mm	24	
Table	Notes:				Aluminum insi	de		
)uter .	Jacket Mater	rial						
		Material		No	ominal Diamete	r Diameter +/- Tole	rance	Min. Wall Thickn
LSZH Retare	- Low Smoke dant)		en (Flame		ominal Diamete 2 mm	r Diameter +/- Tole 0.4 mm	rance	Min. Wall Thickn 0.5 mm
Retard		e Zero Halog					rance	
Retard	dant)	e Zero Halog					rance	
Retard Elect	^{dant)}	e Zero Halog racteristi		5.2	2 mm		rance	

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Shield
40 pF/m	80 pF/m

Impedance

Frequency [MHz] Nominal Characteristic Impedance

1 - 20 100 Ohm

High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
0.772 MHz	1.8 dB/100m
1 MHz	2 dB/100m
4 MHz	3.6 dB/100m
10 MHz	5.5 dB/100m
16 MHz	7 dB/100m
20 MHz	7.8 dB/100m

Current

Element	Max. Recommended Current [A]
Conductor	2.5 Amps per Conductor

Voltage

Voltage Rating [V]

300 V

Temperature Range

Operating Temp Range:	-15°C To +80°C

Mechanical Characteristics

Bulk Cable Weight:	26.6 kg/km
Max. Pull Tension:	50 N
Min Bend Radius During Installation:	80 mm

Standards

CPR Euroclass:	Dca-s1,d1,a1
Other Compliance:	BS 7655 section 6.1 table 1, LTS 3

Applicable Environmental and Other Programs

Environmental Space:	Indoor - Euroclass Dca
EU RoHS Compliance Date (yyyy-mm-dd):	1998-01-01

Flammability, LS0H, Toxicity Testing

IEC Flammability:	IEC 60332-1-2 and IEC 60332-3-24
IEC 60754-1 (EN50267-1)- Halogen Amount:	Zero

Part Number

Variants

	ltem #	Color	Putup Type	Length	EAN
ľ	7703NH.00C100	White	Coil	100 m	8719605013477
	7703NH.00305	White	Reel	305 m	8719605013453
ĺ	7703NH.00500	White	Reel	500 m	8719605013460

History

Update and Revision:	Revision Number: 0.233 Revision Date: 12-18-2020

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