



**Product:** [7703NH](#)

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, Overall Beldfoil® shielding, LSZH / FRNC jacket , 300V, CPR Dca

**Technical Specifications**

**Product Overview**

Suitable Applications:	LonWorks, instrumentation, Low capacitance
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**Construction Details**

**Conductor**

Size	Stranding	Material
22 AWG	Solid	BC - Bare Copper

**Insulation**

Material	Nom. Insulation Diameter	Color Code
PE - Polyethylene (Foam)	1.55 mm (0.0610 in)	White/Blue & Blue/White

**Outer Shield**

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	24 AWG (Solid) TC

Table Notes:	Aluminum inside
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**Outer Jacket**

Material	Nom. Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	4.6 mm (0.18 in)

**Electrical Characteristics**

**Electricals**

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedence	Max. Current
55 Ohm/km	40 pF/m (12 pF/ft)	80 pF/m (24 pF/ft)	100 Ohm	2.5 Amps per Conductor

**Mechanical Characteristics**

**Temperature**

Operating
-15°C To +80°C

**Bend Radius**

Installation Min.
80 mm

Max. Pull Tension:	50 N (11 lbf)
Bulk Cable Weight:	26.6 kg/km

**Standards and Compliance**

Environmental Suitability:	Indoor - Euroclass Dca
Flammability / Reaction to Fire:	IEC 60332-1-2, IEC 60332-3-24
CPR Compliance:	CPR Euroclass: Dca-s1,d1,a1; CPR UKCA Class: Dca-s1,d1,a1
European Halogen Free Standards:	IEC 62821-1 Halogen Free Compliance = Yes, IEC 60754-1 - Halogen Amount = Zero, IEC 60754-2 - Halogen Acid Gas Amount - Min. pH = 4.3
UK Regulation Compliance:	UKCA Mark

History

Update and Revision:	Revision Number: 0.438 Revision Date: 06-28-2024
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Part Numbers

Variants

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

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