



**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
------------------------	--

**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
Tape	Bi-Laminate (Alum+Poly)	100%

Table Notes:	Aluminum inside
--------------	-----------------

**Outer Jacket**

Material	Nom. Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	5.2 mm (0.20 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
European Halogen Free Standards:	IEC 60754-1 - Halogen Amount = Zero
Other Standard Compliance(s):	BS 7655 section 6.1 table 1, LTS 3

History

Update and Revision:	Revision Number: 0.290 Revision Date: 10-31-2022
----------------------	--

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

© 2022 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.