

Product: 7704NH

LonWorks, 2PR #22 Sol BC, PO ins, OS, LSNH Jkt, 300V, Dca

Product Description

LonWorks, 2 Pair AWG 22 Bare Copper - Solid, Polyolefin (PO, PE, PP) insulation, Overall Beldfoil® shielding, LSZH / FRNC jacket , 300V

Technical Specifications

Product Overview

Suitable Applications:	LonWorks, instrumentation, Low capacitance

Construction Details

Conductor

Size	Stranding	Material
22	Solid	BC - Bare Copper

Insulation

Material	Nom. Insulation Diameter	Color Code
PE - Polyethylene (Foam)	1.35 mm (0.0531 in)	White/Blue & Blue/White, Orange/White & White/Orange

Outer Shield

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

Table Notes:	Aluminum inside

Outer Jacket

Material	Nom. Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	6.5 mm (0.26 in)

Overall Cable Diameter (Nominal):	6.5 mm (0.26 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 (17 Ohm/1000ft)	40 pF/m (12 pF/ft)	65 pF/m (20 pF/ft)	100 Ohm	2.5 Amps per Conductor

Mechanical Characteristics

Temperature

Operating	Storage
-15°C To +80°C	-15°C To +80°C

Bend Radius

Installation Min.
80 mm (3.1 in)

Max. Pull Tension:	50 N (11 lbf)
Bulk Cable Weight:	40.2 kg/km (27.0 lbs/1000ft)

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 62821-1 Halogen Free Compliance = Yes, IEC 60754-1 - Halogen Amount = Zero, IEC 60754-2 - Halogen Acid Gas Amount - Max. Conductivity = 2.5 µS/mm, IEC 60754-2 - Halogen Acid Gas Amount - Min. pH = 4.3
European Directive Compliance:	EU CE Mark
UK Regulation Compliance:	UKCA Mark

History

Update and Revision:	Revision Number: 0.263 Revision Date: 06-28-2024

Part Numbers

Variants

Item #	Color	Putup Type	Length	EAN
7704NH.00305	White	Reel	305 m	8719605013507
7704NH.00500	White	Reel	500 m	8719605013514
7704NH.001020	White	Reel	1,020 m	8719605013491

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