


**Product:** [8205NH](#) 

Electronic, 1PR #20 Str TC, PO ins, Unsh, LSNH Jkt, 300V



## Product Description

Electronic, 1 Pair AWG 20 Tinned Copper - Stranded, Polyolefin (PO, PE, PP) insulation, Unshielded shielding, LSZH / FRNC jacket , 300V

## Technical Specifications

### Product Overview

Suitable Applications:	Instrumentation and computer cable; For data transmission applications
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### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	No. of Pairs
20	7x28	TC - Tinned Copper	1

Conductor Count:	2
Total Number of Pairs:	1

#### Insulation

Material	Nominal Diameter	Diameter +/- Tolerance
PE - Polyethylene	1.65 mm	0.05 mm

#### Color Chart

Number	Color
Pair 1	Black & Red

#### Outer Shield Material

Material
No Shield

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
LSZH - Low Smoke Zero Halogen (Flame Retardant)	4.65 mm	0.89 mm

### Construction and Dimensions

#### Cabling

Description
1 pair covered with a polyester foil

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR
32.8 Ohm/km

#### Capacitance

Nom. Capacitance Conductor to Conductor
80.4 pF/m

## Current

Element	Max. Recommended Current [A]
Conductor	3.7 Amps per Conductor

## Voltage

Voltage Rating [V]
300 V

## Temperature Range

Installation Temp Range:	-15°C To +80°C
Storage Temp Range:	-45°C To +80°C
Operating Temp Range (Flexible Install):	-15°C To +80°C
Operating Temp Range (Fixed Install):	-45°C To +80°C

## Mechanical Characteristics

Oil Resistance:	ASTMD741
Max. Pull Tension:	127 N
Min Bend Radius During Installation:	46.5 mm

## Standards

CPR Euroclass:	Cca-s2,d1,a1
Other Compliance:	BS 7655 section 6.1 table 1, LTS 3

## Applicable Environmental and Other Programs

Environmental Space:	Indoor - Euroclass Cca
EU RoHS Compliance Date (yyyy-mm-dd):	2005-01-01

## Suitability

Suitability - Sunlight Resistance:	Yes
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## Flammability, LSOH, Toxicity Testing

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

## Part Number

### Variants

Item #	Color	Putup Type	Length	EAN
8205NH.00305	Chrome	Reel	305 m	8719605018144
8205NH.00500	Chrome	Reel	500 m	8719605018151
8205NH.001000	Chrome	Reel	1,000 m	8719605018137
8205NH.011000	Violet	Reel	1,000 m	8719605018168

## History

Update and Revision:	Revision Number: 0.176 Revision Date: 12-18-2020
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