

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

Environmental Space:	Indoor - Euroclass Cca
Suitable Applications:	Instrumentation and computer cable; For data transmission applications

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
FRPE - Flame Retardant Polyethylene	1.65 mm	0.05 mm

Color Chart

Number	Color
Pair 1	Black & Red

Outer Shield Material

Material
Unshielded

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
LSZH / FRNC (UV stabilised)	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 A

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 Recommended Pulling Tension:	127 N
Min Bend Radius During Installation:	46.5 mm

Standards

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

Applicable Environmental and Other Programs

EU RoHS Compliance Date (yyyy-mm-dd):	2005-01-01
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Flammability, LSOH, Toxicity Testing

ISO/IEC Flammability:	IEC 60332-1-2 and IEC 60332-3-24
Amount of Halogen acc. to IEC 60754-1 & EN50267-1:	Zero

Part Number

Variants

Item #	Color	Length
8205NH.001000	Chrome	1,000 m
8205NH.00305	Chrome	305 m
8205NH.00500	Chrome	500 m
8205NH.011000	Violet	1,000 m
8205NH.019999	Violet	999 m

History

Update and Revision:	Revision Number: 0.159 Revision Date: 01-31-2020
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