Product: 8205NH

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

Product Description

Electronic, 1 Pair AWG 20 Tinned Copper - Stranded, LSZH insulation, Unshielded, LSZH / FRNC jacket , 300V

Technical Specifications

Product Overview

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
LSZH - Low Smoke Zero Halogen (Flame Retardant)	1.65 mm	0.05 mm

Color Chart

Number	Color
Pair 1	Black & Red

Outer Shield

Material
No Shield

Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness
LSZH - Low Smoke Zero Halogen (Flame Retardant)	5.10 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
100 pF/m

Current

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

Voltage

Voltage Rating [V]
300 V

Temperature Range

Installation Temperature Range:	-15°C To +80°C
Storage Temperature 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:	IEC 60811-404
Max. Pull Tension:	127 N
Min. Bend Radius During Installation:	46.5 mm

Standards

CPR Euroclass:	Dca-s1,d1,a1

Applicable Environmental and Other Programs

Environmental Space:	Indoor - Euroclass Dca

Suitability

Suitability - Sunlight Resistance:	Yes

Flammability, LS0H, Toxicity Testing

IEC Flammability:	IEC 60332-1-2, IEC 60332-3-24
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
IEC 61034-2 - Smoke Density Min. Transmittance:	60%

Related Part Numbers

Variants

Item #	Color	Put-Up 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: 0.229 Revision Date: 02-15-2024