

## Product datasheet

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# 9842NH



### Description

24 AWG (7\*32) Tinned copper Pe insulated 2 pair, Beldfoil aluminium-polyester shield with Z-fold, 24 AWG(7\*32) tinned copper drain wire, 90% tinned copper braid, LSNH Jacket.

### Dimensions

Nom. insulation Thickness	0.51	mm
Nom. diameter over insulation	1.73	mm
Twisted pair lay length	65	mm
Nom. Jacket thickness	0.89	mm
Nom. outer diameter	8.7	mm

### Electrical characteristics

Max. operating voltage	300	V Rms
Max. Continuous current per conductor @ 25 deg. C	2.1	A
Nom. Capacitance between conductors of a pair @ 1	42	nF/km
Nom. capacitance conductor to shield @ 1 kHz	75.5	nF/km
Nom. Conductor DC resistance @ 20 Deg. C	79	Ohm/km
Nom. Shield DC resistance @ 20 Deg. C	11	Ohm/km
Velocity of propagation	66	%
Nom. Impedance @ 1 MHz	120	Ohm
Nom. Attenuation @ 1 MHz	2	dB/100 meter

### Physical characteristics

Temperature rating	-15 to +80	Deg. C
Insulation material	Pe	
Jacket material (color)	LSNH (Chrome RAL 7037)	
Type shield and % coverage	Beldfoil 100% braid 90%	
Max. pulling tension	390	N
Min. bend radius	90	mm
Applicable specifications	BS 7655 Section 6.1 Table 1 LTS 3	
Flame resistance	IEC 332-3-C	

### Color code

White-blue & Blue-White /White-Orange & Orange- White

### Application

Instrumentation and computer cables for EIA RS-485 Data transmission Applications (Label contains Ce marking)