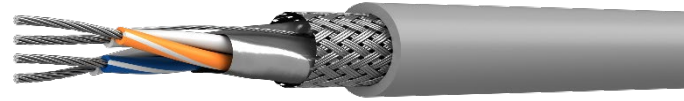


Technical Document  
Alternative to Belden 9842  
2pair 24awg LSNH Grey

webro

Part Number: 429842E-LSNH

Description: Alternative to Belden 9842 2pair  
24awg Overall Foil Screened & Braid LSNH Grey



**Product Construction**

Alternative to Belden	:	9842 NH
Conductor Material	:	Tinned Copper, Stranded
Conductor Stranding	:	24awg, 7/0.20mm
Insulation Material	:	Polyethylene (PE)
Number of Pairs	:	2
Core Colours	:	Blue with a White Stripe; White with a Blue Stripe Orange with a White Stripe; White with an Orange Stripe
Screening 1	:	Overall Aluminium Foil
Screening 1 Coverage	:	>100%
Drain Wire	:	Tinned Copper, 24awg Stranded
Screening 2	:	Overall Tinned Copper Wire Braid
Screening 2 Coverage	:	>90% ± 3
Sheath Material	:	Low Smoke Non-Halogen (LSNH)
Sheath Colour	:	Grey



**Mechanical Characteristics**

Overall Diameter	:	8.5mm ± 0.20mm
Temperature Range	Fixed	-20°C to +70°C
	Flexing	0°C to +70°C
Bend Radius	:	15 x Overall Diameter
Weight	:	73 kg/km

**Electrical Characteristics**

Conductor DC Resistance @20°C	:	≤ 90.9 Ω/km
Capacitance	Core to Core	40 pF/m ± 15
	Core to Screen	80 pF/m ± 20
Impedance	:	120 Ω ± 15
Insulation Resistance @ 20°C	:	≥ 5000 MΩ.KM
Voltage Rating	:	300/300V

**Certifications & Standards**

Flame Retardancy	:	BS EN 60332-1-2
Low Smoke	:	BS EN 61034-2
Halogen Gas	:	BS EN 60754-1&2
Suitable Protocol	:	RS 232, 422 & 485
RoHS 3 Compliant	:	Yes
REACH Compliant	:	Yes
UKCA CPR Classification	:	Eca to BS EN 50575:2014+A1:2016

Publication Date: 07/05/2024

Revision Number: 2.0

Written by: GB

Authorised by: GB

**Webro Cables & Connectors Ltd**

Vision House, Meadow Brooks Business Park, Meadow Lane, Long Eaton, Nottingham NG10 2GD, UK  
Tel: +44 (0)115 9724483 | Fax: +44 (0)115 9461230 | sales@webro.com | [www.webro.com](http://www.webro.com)

This technical document and its information and images are intended for guidance only. Due to technical improvements, manufacturing changes or commercial factors the product may vary, and we reserve the right without notice or liability to amend the product information.